THE ARCHITECT & BUILDING NEWS

26 AUGUST 1959 VOL. 216 NO. 3 ONE SHILLING WEEKLY

- GARAGE AT CANTERBURY
- CHURCHILL COLLEGE – III
- TOWN AND COUNTRY PLANNING ACT, 1959 – I

PUBLISHED IN LONDON SINCE 1854

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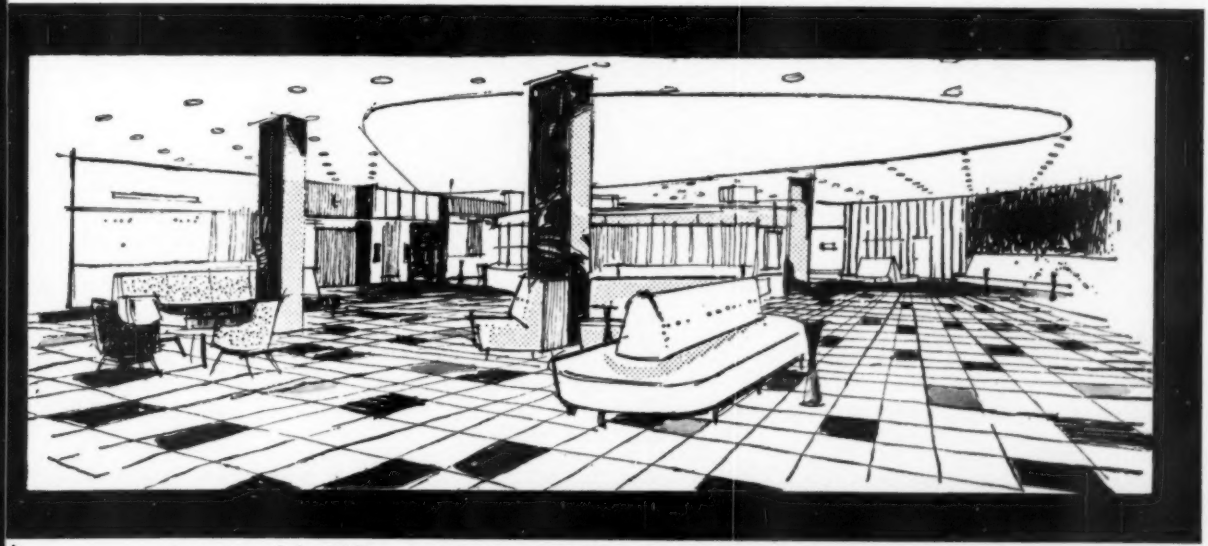


Oxidised linseed oil entering cooling bay.

MODERN LINOLEUM FOR MODERN INSTALLATIONS

Capital cost, laying, life or maintenance, judge how you will—linoleum is unequalled by any other floor covering. In addition, modern colours contemporary patterns and ease of working offer today's designer in linoleum a freedom of colour, form and design to answer every industrial and commercial flooring requirement. Williamson's "know-how" in the techniques of oxidising and polymerising Linseed Oil has made them leaders in the industry . . . and given Williamson's heavy gauge linoleum in 6.7 mm. and 4.5 mm. its outstanding qualities of flexibility, resilience and long life.

The Williamson Technical Advisory Service is always at your disposal—please contact us for further information.



A section of the Williamson Linoleum installation at the Southampton Ocean Terminal.
Contractors : Messrs. Heals (Contracts) Limited. Messrs. Semtex Limited.

WILLIAMSON LINOLEUM

JAS. WILLIAMSON & SON LIMITED • LANCASTER • FOUNDED 1844



(Artist's impression)

Though surfaces vary . . .

the specification

remains the same



59/63 Princes Gate, London, S.W.7

Architects: Messrs. T. Mortimer Burrows & Partners
Contractors: F. W. Barnard Ltd.

The "beauty" of Number Seven decorative finishes is two-fold—their lasting "eye" appeal and their unique variety of applications both interior and exterior. With the suitable primer you can now specify Number Seven Exterior Flat Finish for nearly every standard surface—wood, metal, brick, plaster, concrete—and thus eliminate estimating and ordering complications as well as time wasted in mixing and matching colours. An impressive list of recent contracts is proof of Number Seven's outstanding success in all types of contracts.



NUMBER SEVEN

NUMBER NINE

Where a textured finish is desired, Cementone No. 9 Waterproof Stoneface Composition is exclusively prepared for brick, cement rendering, reinforced concrete, asbestos-cement, plaster, and compo-board surfaces. Alkali-resistant, No. 9 matures to a natural stone finish and is available in ten colours.

Number Seven is available in a range of fifty-four matching colours as a gloss, satin or interior and exterior flat finish. Write for colour card and standard specifications.

You can depend on Cementone products

JOSEPH FREEMAN, SONS & CO. LTD., CEMENTONE WORKS, WANDSWORTH, LONDON, S.W.18 Telephone : VANdyke 2432 (10 lines)



UNIVERSAL BEAMS

a good example of the simplification they effect

A new extension for Whessoe Limited of Darlington covers an area of 295 ft. by 90 ft. wide, with an eaves height of 57 ft. Requirements were as shown on the right at A and B.

These requirements were well met by Redpath Brown & Co., Ltd., Edinburgh, by the use of the Dorman Long Universal Beams.

The 40-ton cranes run on 36-in. by 16½-in. by 260 lb. per ft. Universal beam gantry girders, designed as continuous beams, welded up to strength on the site. Tie beams of 12-in. x 12-in. by 65-lb. Universal sections were introduced midway between the ground and the crane girders; and the main longitudinal connections were site welded, eliminating further bracing.

The portal-frame roof construction comprises the following:—The vertical legs are 36-in. by 16½-in. by 260 lb. Universal beams, from the eaves knuckle the section tapers down to a site-welded junction with the 24-in. by 12-in. x 100 lb. rafter. The rafters follow the desired roof line until the central section where—to provide the necessary slope for water-tight glazing—the roof line is cocked up. The rafters were sawn at a level and shop-welded to the required angle.

The use of Universal beams saved a good deal of time and labour, and no compounding of sections was necessary.

A. *Two 80 ft. span heavy-duty cranes, of 40 tons capacity, travel in tandem throughout the full length of the building.*

B. *It was desired to match the main part of the roof contour to that of an adjacent unglazed building, but to provide glazing for the central portion: this accounts for the unusual roof line.*

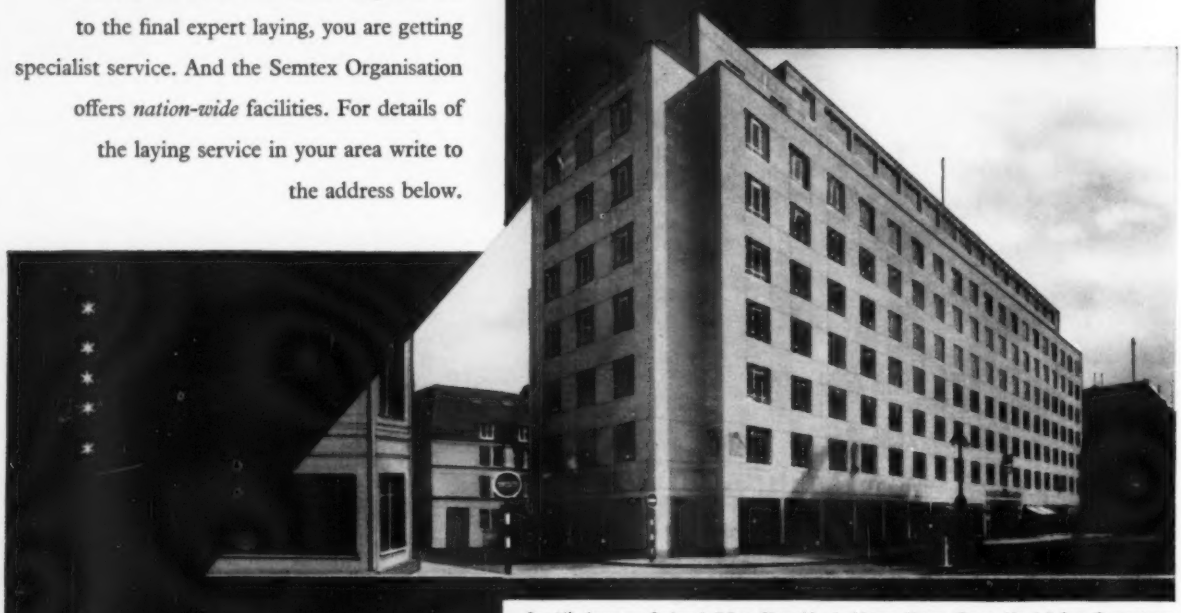
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Sun Life Assurance Society building, Cheapside. Architects: Messrs. Green, Lloyd & Son. Contractors: Messrs. Holland & Hannen and Cubitts Ltd. Semastic Decorative and Vinylex Tiles laid by Semtex Ltd.

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B

PLANTATION HOUSE
MINCING LANE · CHEAPSIDE
Architects:
Albert W. Moore & Son



ROMAN HOUSE · LONDON WALL
Architect:
R. N. Wakelin
of Campbell-Jones & Sons



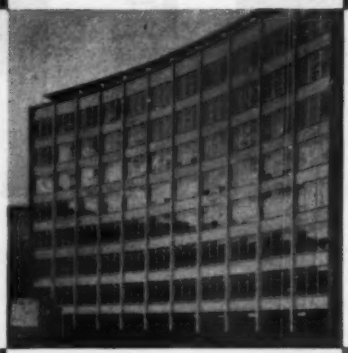


MERCERS' HALL · CHEAPSIDE
Architects:
Gunton & Gunton



HOLBORN VIADUCT HOUSE
HOLBORN CIRCUS
Architects:
T. P. Bennett & Son

1 NOBLE STREET
GRESHAM STREET
Architects:
Ellis, Clarke & Gallannaugh



ROYAL LONDON HOUSE
(EXTENSION) FINSBURY SQUARE
Architect:
H. Bramhill





WATLING HOUSE · CANNON STREET
Architects:
Easton & Robertson

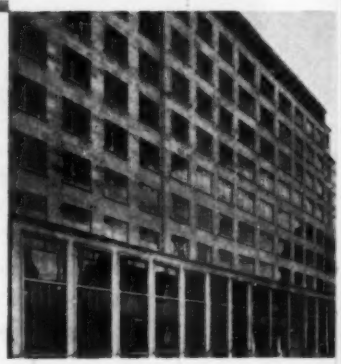


34-35 KING STREET · EC
Architects:
Alan W. Pipe & Sons

WALBROOK HOUSE
CANNON STREET · WALBROOK
Architect:
Henry Tanner



12-20 CAMOMILE STREET
Architects:
Fitzroy Robinson
& Hubert H. Bull

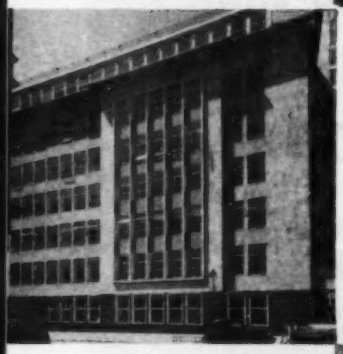




MCCANN-ERICKSON HOUSE
FETTER LANE
Architects:
Hannen & Markham



BUCKLERSBURY HOUSE
Architects:
Campbell-Jones & Sons



ST. BRIDGET'S HOUSE
BRIDEWELL PLACE
Architects:
Trehearne &
Norman Preston & Partners



SADDLERS' HALL · GUTTER LANE
Architect:
L. Sylvester Sullivan



3-10 FINSBURY SQUARE
Architects:
Lewis Solomon Son & Joseph



THE AMALGAMATED PRESS
FARRINGDON STREET
Architects:
Ellis, Clarke & Gallannaugh



BANK OF LONDON
& SOUTH AMERICA
QUEEN VICTORIA STREET
Architect:
Victor Heal

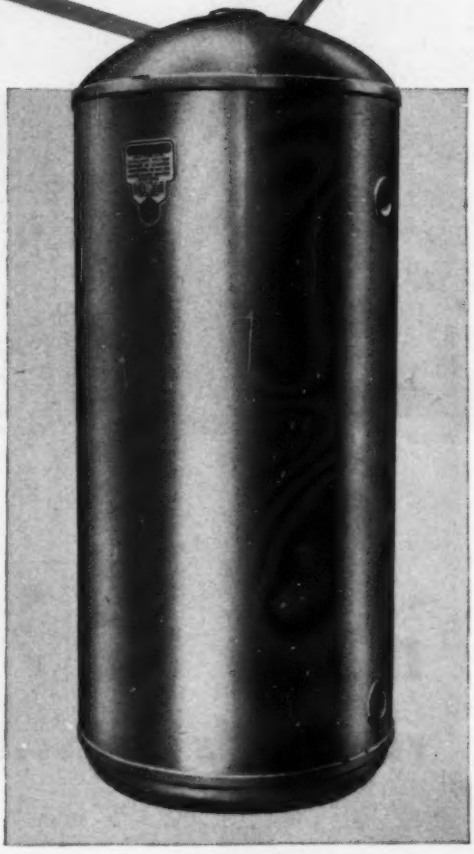
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RB.27



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- Easy to clean—the horizontal surfaces drain inwards—note also the smooth flowing lines.
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- Selected by the Council of Industrial Design for inclusion in "Design Index".

V4144APC "NUADALE" pedestal washbasin comprising "Nuadex" basin 24″ x 20″ or 27″ x 22″, "Nua" pedestal; combination mixer with pop-up waste.

V116 "UNISYLA" W.C. unit with double trap *"vacuum-assisted"* syphonic W.C. 'S', 'P' or turned 'P' trap with or without vent; 2, 2½ or 3 gallons cistern; "Silon" Vitreous China valveless syphon fittings with "Airex" fitment.

V1028N "NU-ORLAN" bidet comprising hot and cold taps with transfer valve to rim or douche; pop-up waste.

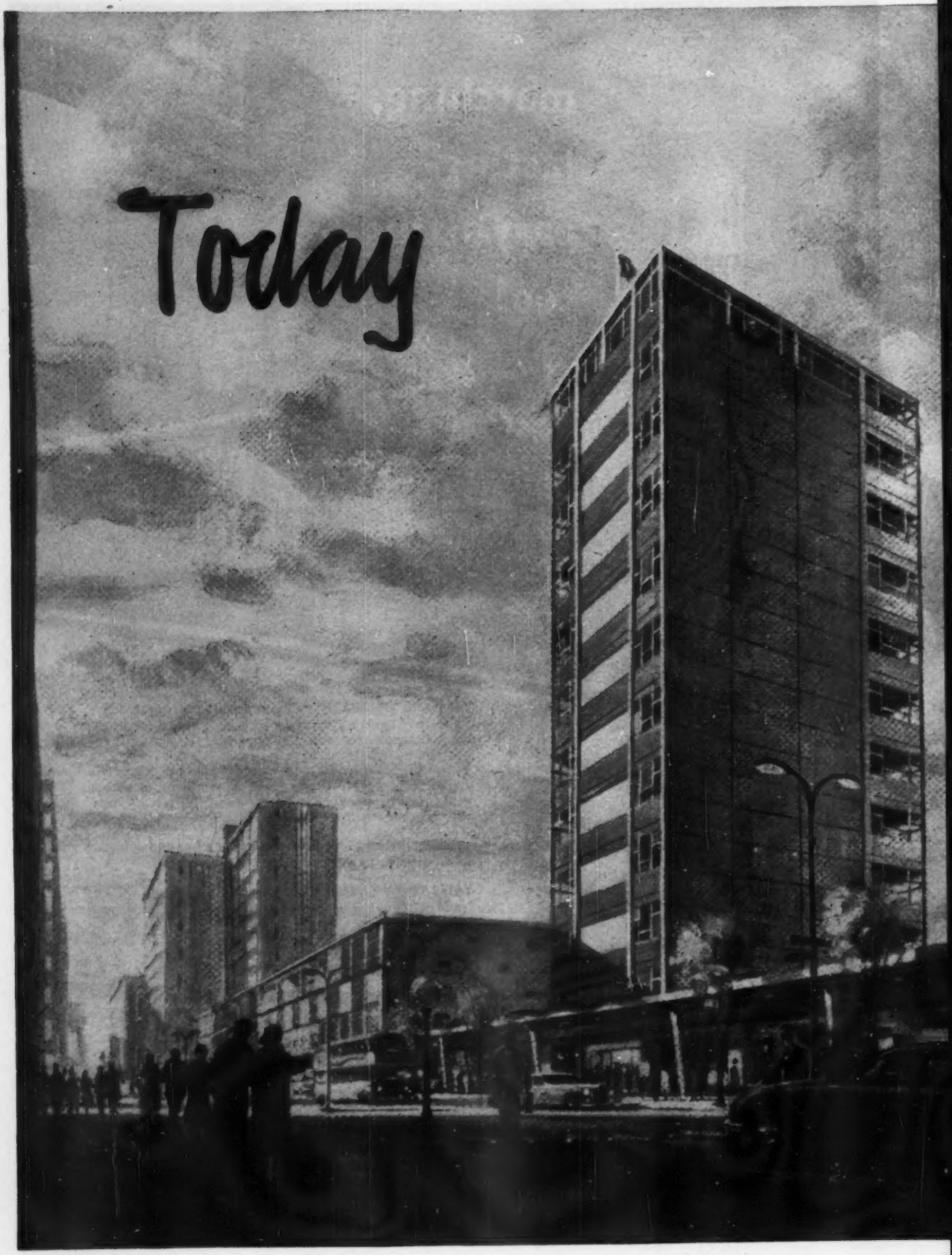
V4122 "NEW CANADEX" washbasin 20″ x 18″ or 18″ x 15″ with front overflow; pillar taps; chain waste; C724 wall hangers.

The full "Nuastyle" range includes several other designs and is obtainable in white or any Armitage colour.
Please ask for information leaflet 1516/C.

Armitage Ware

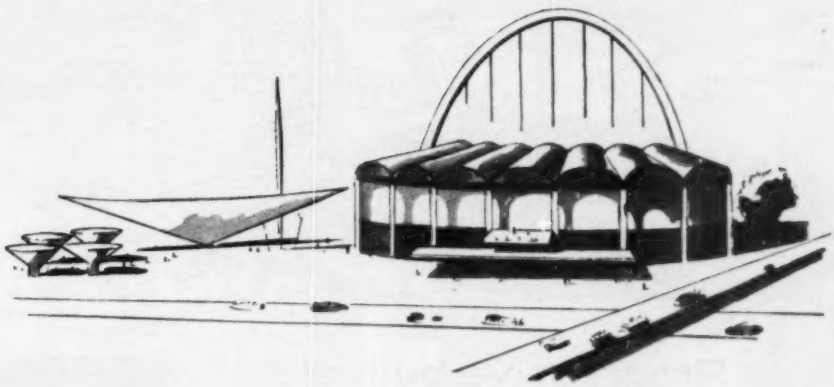
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Today



Tomorrow

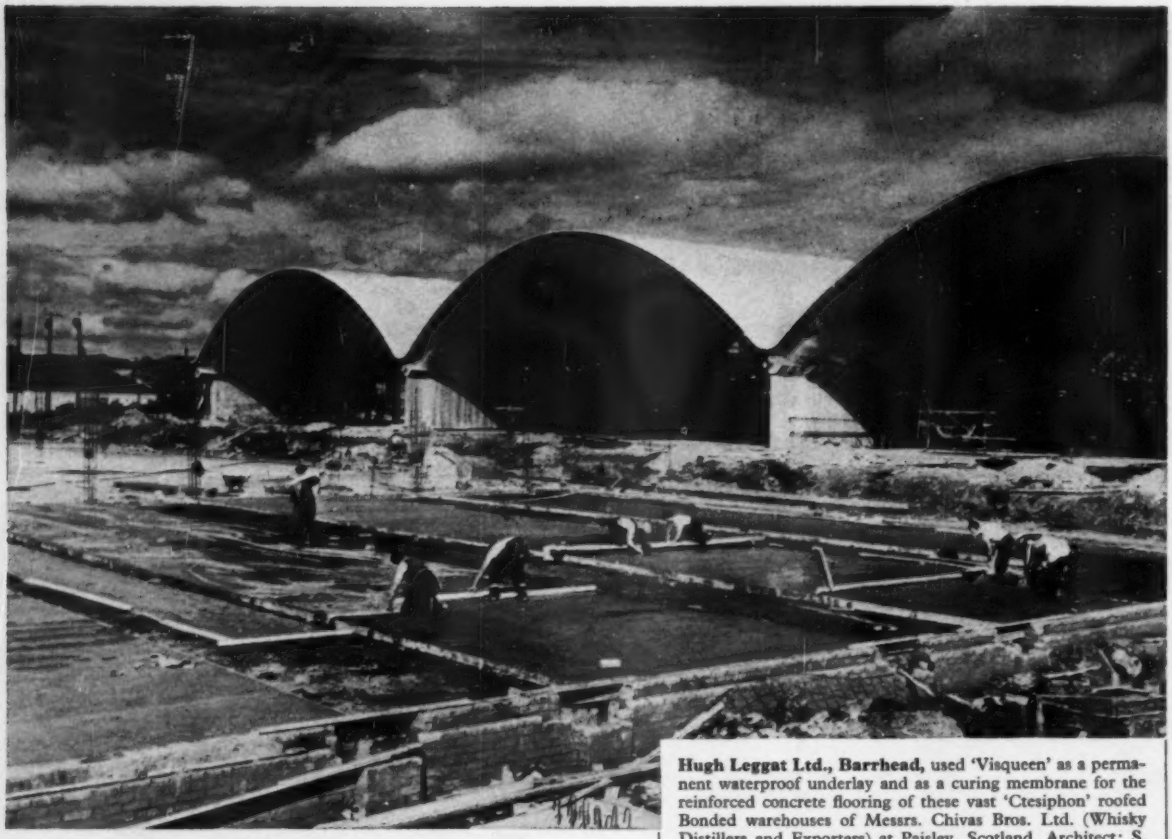


Today's research in the Gas Industry aims at new and improved designs of space heaters and water heaters—automatic cookers with self-protected ignition—and more efficient flue systems—so that the Architect has greater scope to design even better buildings for tomorrow . . . **AND TODAY**—every industry and 12 million homes use **GAS.**

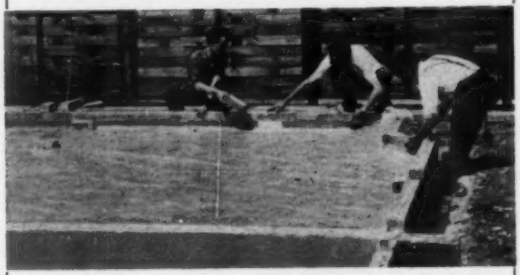
ISSUED BY THE GAS COUNCIL



F2/12



Hugh Leggat Ltd., Barrhead, used 'Visqueen' as a permanent waterproof underlay and as a curing membrane for the reinforced concrete flooring of these vast 'Ctesiphon' roofed Bonded warehouses of Messrs. Chivas Bros. Ltd. (Whisky Distillers and Exporters) at Paisley, Scotland. Architect: S. Lothian Barclay.



Unity Structures Ltd., London, laying 'Visqueen' 500 (heavy weight) as a damp-proof membrane between the hardcore and concrete flooring of these two semi-detached prototype houses built by them at Ruislip. The film was laid over the hardcore in 12 ft. widths in one continuous strip over the party walls, and incorporated into the cavity wall with the D.P.C.



John McLean & Sons Ltd. of Wolverhampton, use 'Visqueen' sheeting as a damp-proof membrane under the ground floor rafts of their "Beverley" houses in the Midlands. Architects: Diamond Hodgkinson & Partners.

Progressive builders fight rising damp with VISQUEEN TRADE MARK polythene sheeting

FAILURE TO PROVIDE efficient protection against rising damp and chemical attack, can involve a contractor in extensive and costly repairs. Now, by using 'Visqueen' building sheet these risks can be eliminated.

Laid under the ground floor rafts of houses, or under concrete flooring in factories or warehouses it will provide a complete seal against liquid water and an efficient barrier to water vapour. Furthermore, on sites where the sulphate content of the subsoil is high, the acid-resisting qualities of 'Visqueen' will ensure life-time protection for floor coverings and adhesives. 'Visqueen' is easy to handle, the wide widths easy to lay. No jointing compounds or heat sealing are necessary—just a single overlap or a double welt type fold and protection is complete. 'Visqueen' is cheaper than other conventional over-site membranes.

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B*

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loadbearing insulating building blocks

For building developments

Thermalite is now widely used for the construction of buildings of all kinds; either as an internal leaf to a composite cavity wall using brick externally or for both leaves with external rendering. The ease with which it is erected, its proved advantages in terms of thermal insulation and the simplicity with which it can be chased and spiked for external fixings make it a particularly attractive proposition.



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—*thermal insulation in its most practical form*



Roehampton Flats and Maisonettes. *Architects: Hubert Bennett, F.R.I.B.A. (Architect to the London County Council) F. G. West, A.R.I.B.A. (Deputy Architect to the London County Council) Contractors: Wates Limited.*

2½" Thermalite inner leaf of point blocks. 5" Thermalite panel walls of maisonettes.



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You are invited to write for a copy.

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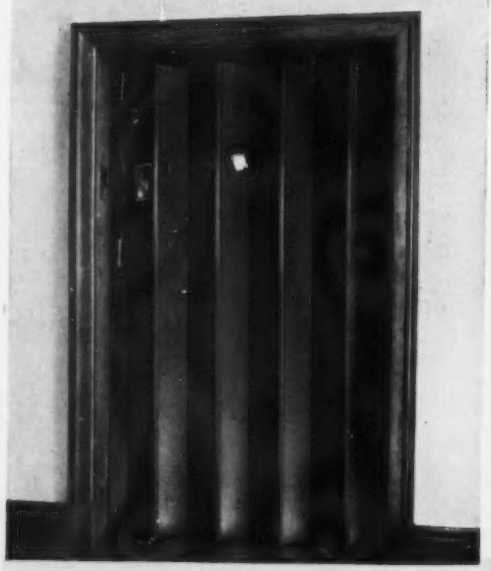


Our latest development...

. . . for lift cars is the Multi-Panel Sliding Door illustrated left. The door is constructed from Patent Hollow Aluminium Alloy Interlocking Panels which negotiate the 6″ radius of the curved top track smoothly and quietly. Whilst the Multi-Panel Sliding Door is designed to run inside or outside the lift car, it may be adapted as a Landing Door running between the lift car and shaft wall. This new door like every other Bolton Lift Door can be arranged to receive lift makers lock beaks and vision panels.

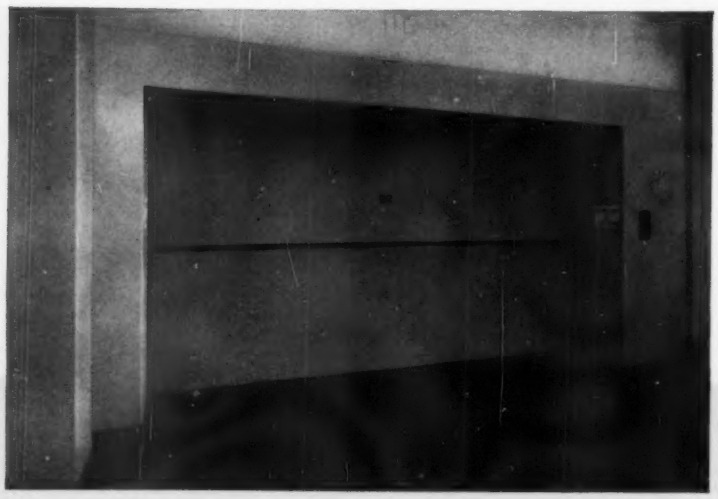


There's a BOLTON lift door..



Bolton Patent Shutter Doors for lifts, illustrated above, embody all the well-known quality features of the industrial door and are available for hand or power operation.

Vertical Sliding Bi-parting Doors, illustrated below, slide above and below the lift car giving an unrestricted opening ideal for goods lifts. The upper edge of the lower panel can be reinforced to form a truckable cill of equal weight capacity to the lift.

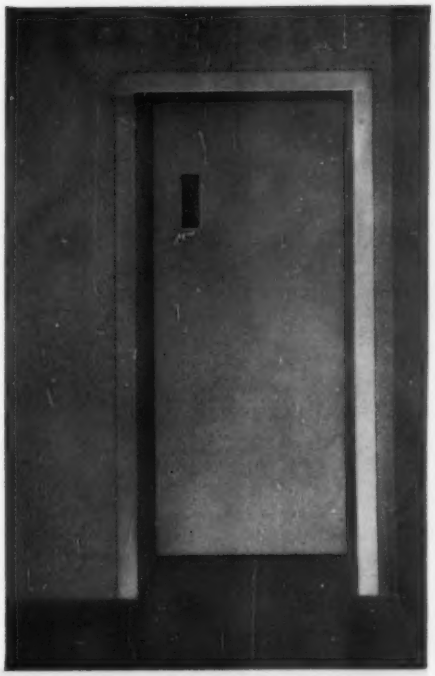


*** Write now for the latest Bolton Lift Door Leaflet AB312**



The power operated Single Panel Sliding Door, illustrated right, glides smoothly and quietly behind the wall allowing an unrestricted opening. Flush or alternatively fluted panels of aluminium alloy are available.

The power operated 2 Speed Sliding Door, illustrated left, is smooth and silent in operation and is arranged to give maximum clearance. Panels may be flush or of fluted aluminium alloy.

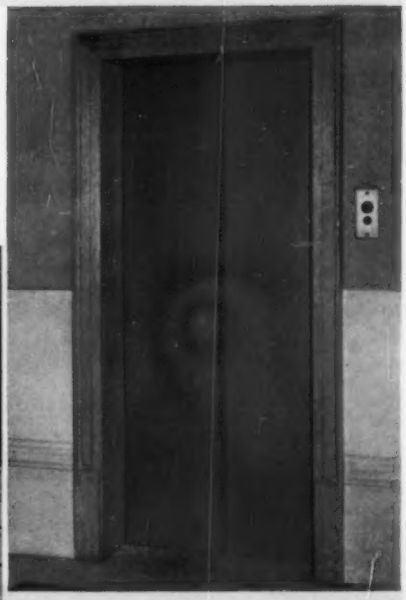


to suit your requirements

The comprehensive range of Bolton Lift Doors includes doors which are suitable for every situation, from factory goods lifts to the most modern hotel lift. The variety of finishes available is such that harmony with existing decorations can readily be achieved. All Bolton Lift Doors can be fitted with vision panels to your requirements and can be arranged to receive lift makers' lock beaks, handles, etc.



The 2 Panel Centre Opening Doors, illustrated right, are supplied with a sympathetic action gear and slide smoothly and quietly behind the wall allowing maximum clearance. A variety of finishes is available.



The Multi-leaf Door, illustrated right, is among the most popular of lift doors and is available in a variety of finishes.



BOLTON

The BIG name in doors

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The new P.D. Flame-retardant Board has been particularly designed to meet the requirements of the "Thermal Insulation (Industrial Buildings) Act, 1957". With its new "TREROCK" flame-retardant decorative coating it is your safeguard against the spreading of flames combined with the insulating characteristics of P.D. INSULATING BOARD. It conserves interior heat and gives added protection against external cold. Ideal for the economic lining of roofs, ceilings, walls and partitioning of all types of building, it is available in white and a range of pastel shades to match requirements.

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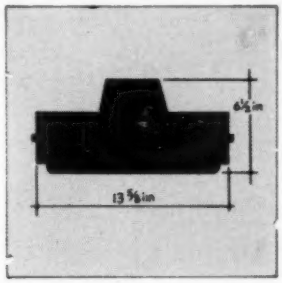
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STANDARD	½in. ¾in. 1in.	2 & 4ft. 4ft. 4ft.	8 & 10ft. 8ft. 8ft.
BEVELLED PANELS	½in. & ¾in.	4ft. 4ft. 2ft.	4ft. 2ft. 2ft.

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one of many decorative designs

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The fitting illustrated, F41138/9, consists of a standard channel with special wide spacing lampholder assembly, together with a metal frame with applied mahogany finish supporting a 040 "Perspex" diffuser.



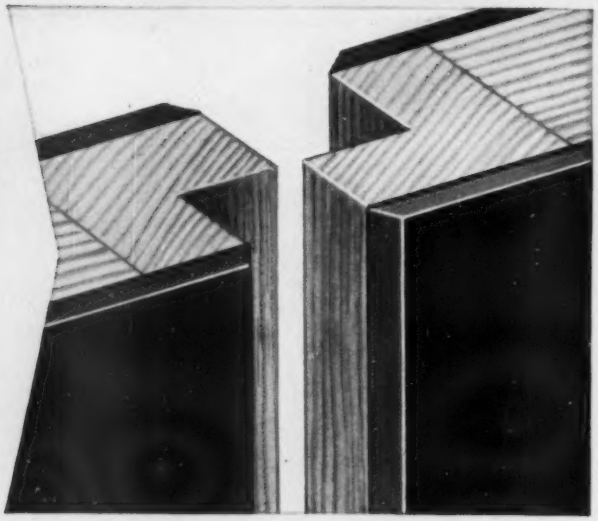
101 range

fluorescent lighting fittings

G.E.C.
LIGHTING DIVISION

THE GENERAL ELECTRIC CO. LTD., MAGNET HOUSE, KINGSWAY, LONDON, W.C.2

Here's something NEW in partitions



- ★ Rapid dry-construction
- ★ Flexible layout
- ★ De-mountable
- ★ Low cost
- ★ Hard surface
- ★ Sound reducing
- ★ Durable

Thanks to their ingenious design, STRAMIT 'MOVAFLUSH' PARTITIONS can be erected really quickly. Whilst top and bottom edges of each hardboard-faced Stramit panel are finished with square timber, the long edges have an L-shaped member. This means that successive panels can be rapidly, easily fitted together to give a flush finish. These new, dry-construction partitions are simply placed on a sole-plate and secured, being fixed to one another with screws which are neatly seated in brass cups.

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STRAMIT 'MOVAFLUSH'

-THE EASY-TO-ERECT PARTITION

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Please send me, without obligation, full details of Stramit 'Movaflush' partitions.

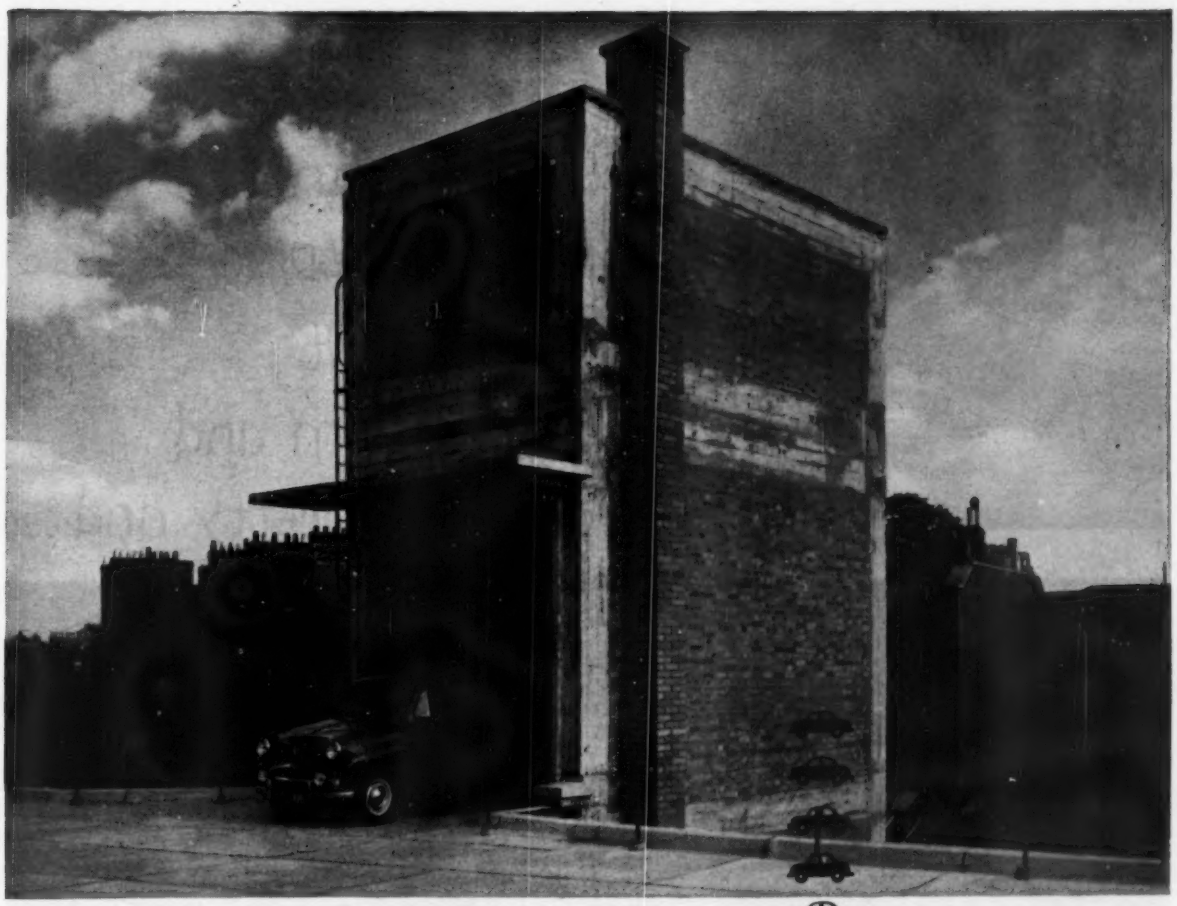
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Car Lift to Roof Car Park

Architect:
C. W. Hutton, F.R.I.B.A.

One answer to the car-parking problem is to use roof space. It has been applied by Windmill & Lewis Limited to their garage premises in Merchants Road, Bristol.

Access to the roof and to the intervening floors is by an electric lift designed and installed by J. & E. Hall Ltd.



Specification

Load	3 tons
Speed	50 f.p.m.
Travel	Ground to roof level (3 levels)
Control	Automatic Push Button from car and landings
Dimensions (Internal)	Width — 8′ 6″, Depth — 18′ 6″ Height — 10′ 0″
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AP96



curtain walling is when a building stands behind it and keeps warm and dry and looks pretty and...



Flats for the Borough of Maidstone
Borough Surveyor,
S. F. Dixon, M.I. Mun.E., L.R.I.B.A.
Chief Assistant Architect,
R. E. Carlick, A.R.I.B.A.

He might have added that most people these days call it WALLSPAN—the most widely used curtain wall system in the country.

He could have said too that this contract shows Wallspan looking as good on a domestic scale as it does on offices and factories. These 180 flats have been recently erected for the borough of Maidstone to rehouse families from clearance areas in the town.

They are arranged in 4-storey blocks of 12 and 24 flats, built on a basic 'Y' shaped plan grouped round a hexagonal central unit, which contains the entrances, stairs and services. The 24-flat blocks consist of two normal blocks linked together. Sections of Wallspan, each 2 storeys high, clad the side of the blocks. Each flat has its own private balcony cantilevered from the main floor slabs between the Wallspan mullions, which are placed at 6 foot centres. In order to preserve the continuity of the mullions, the balcony floors are formed in a T-shape to give them extra external width.



Showing how the balcony floors have been trimmed round the Wallspan mullions.

Infilling panels are of ¼" Asbestolux faced with stucco-embossed silicon alloy aluminium sheet.



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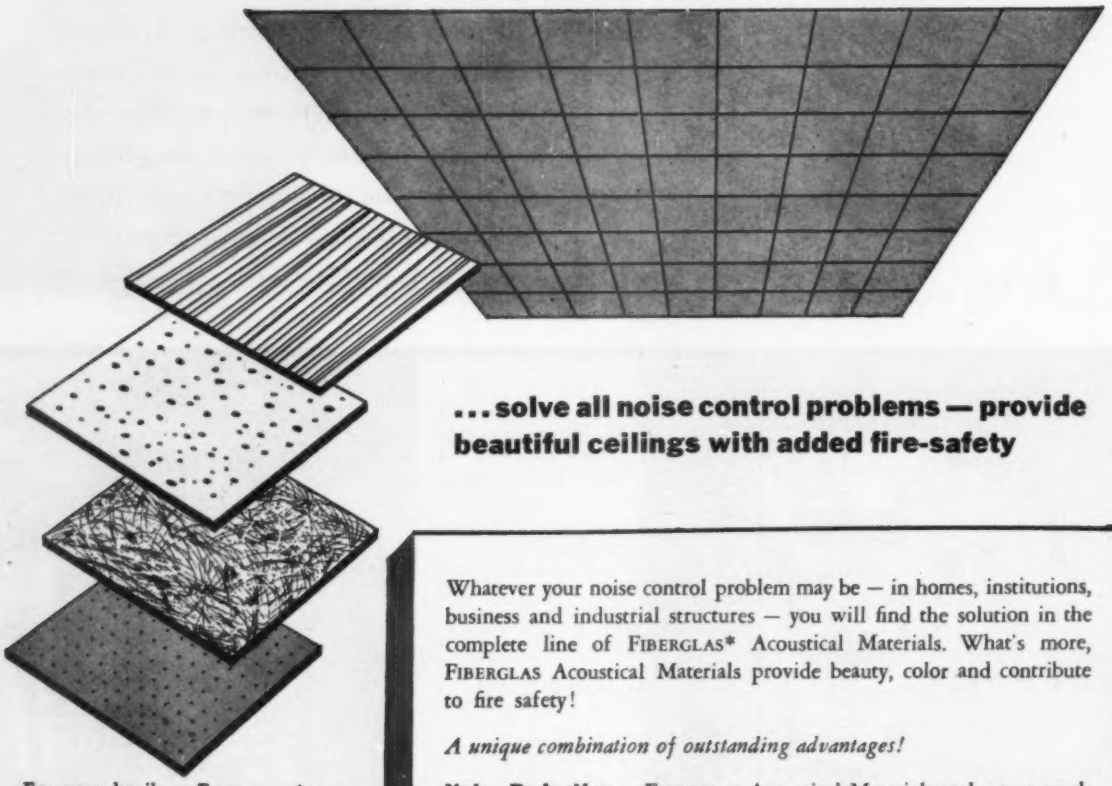
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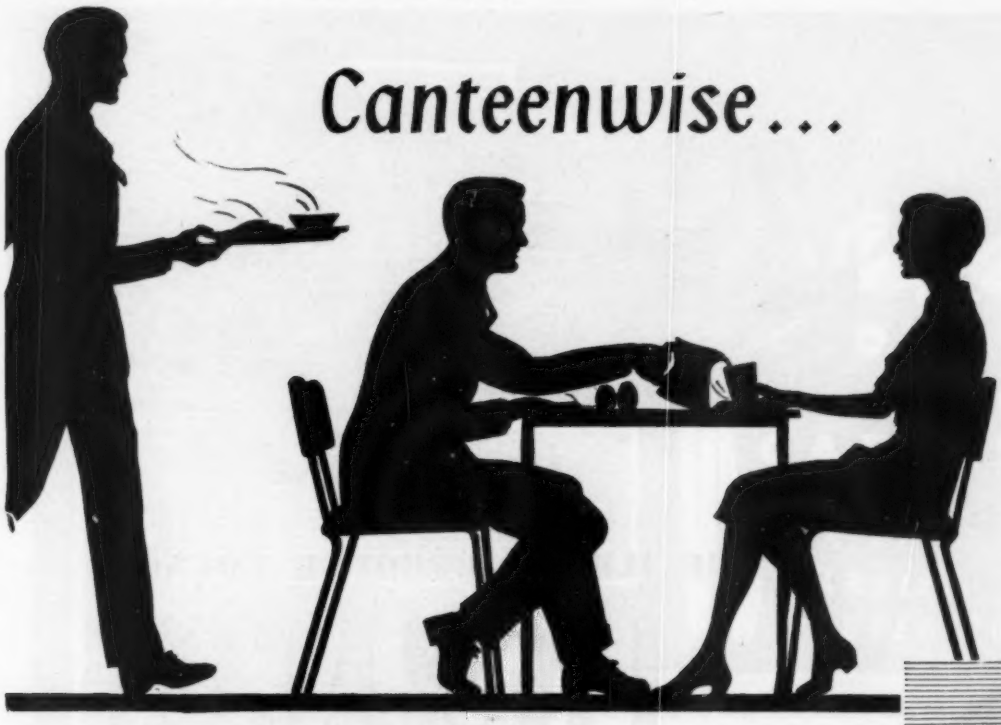
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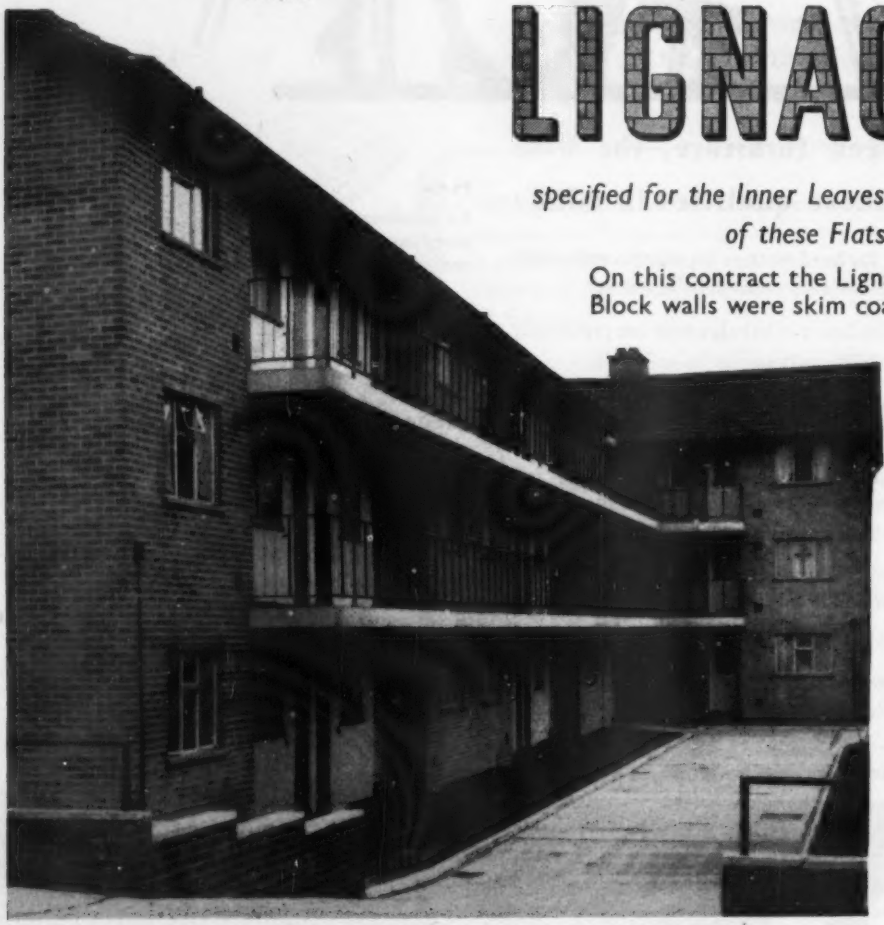
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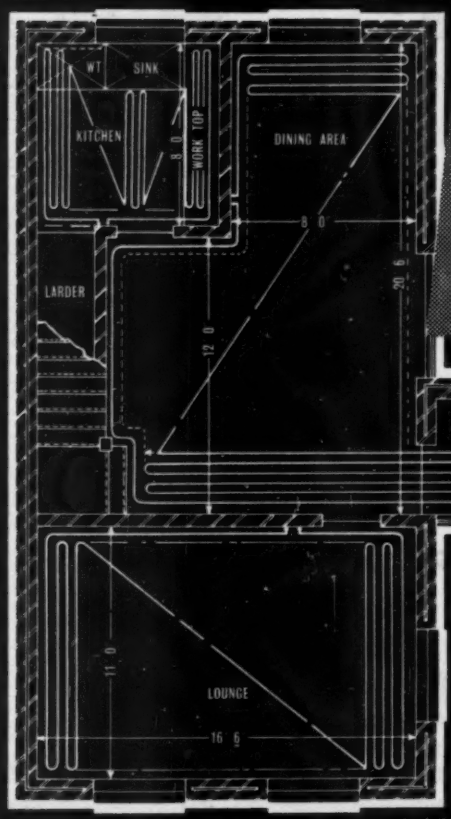
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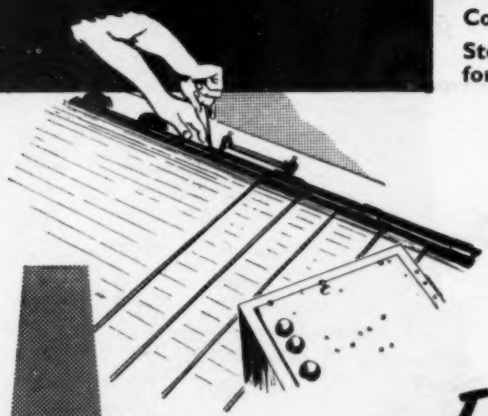
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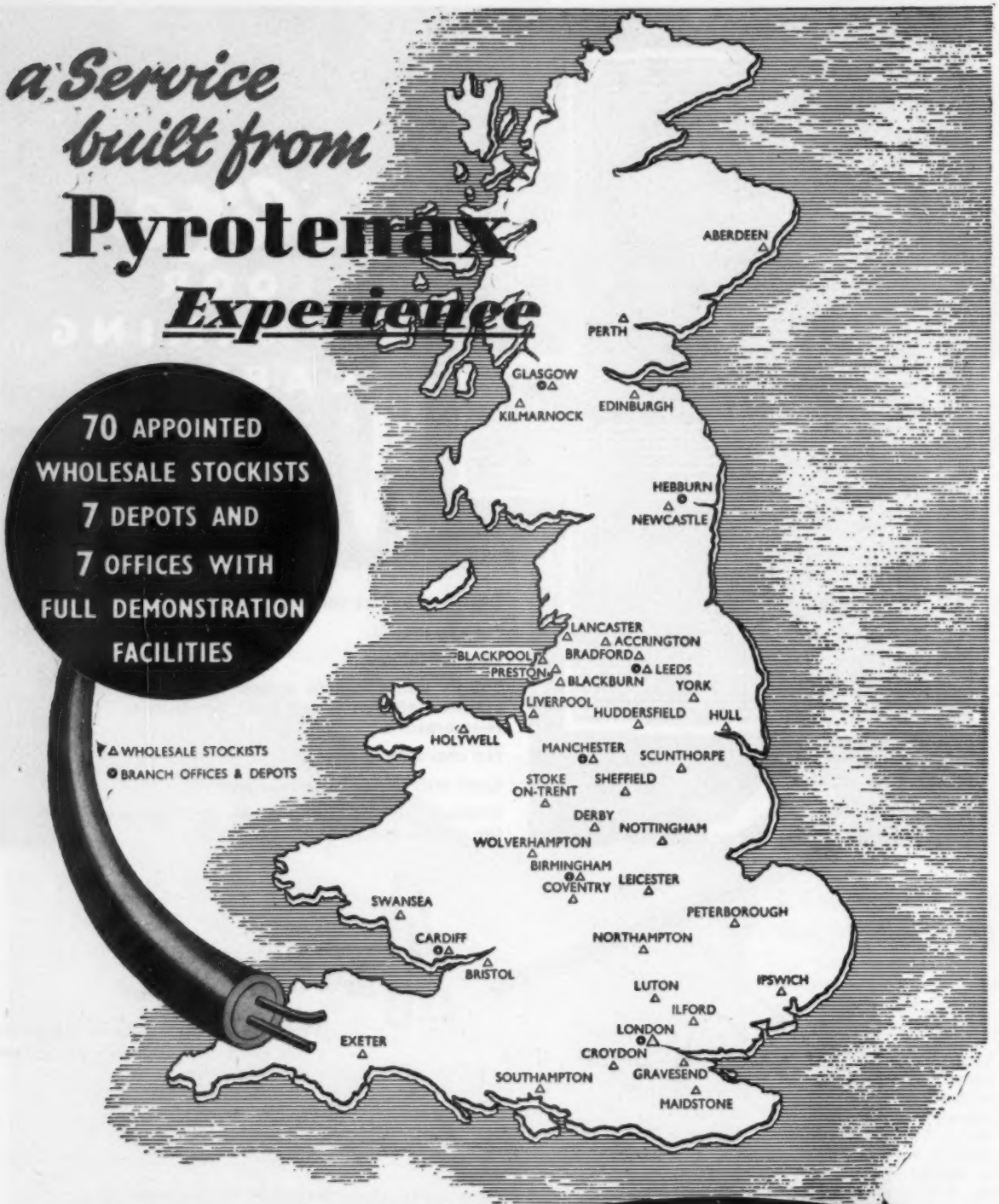
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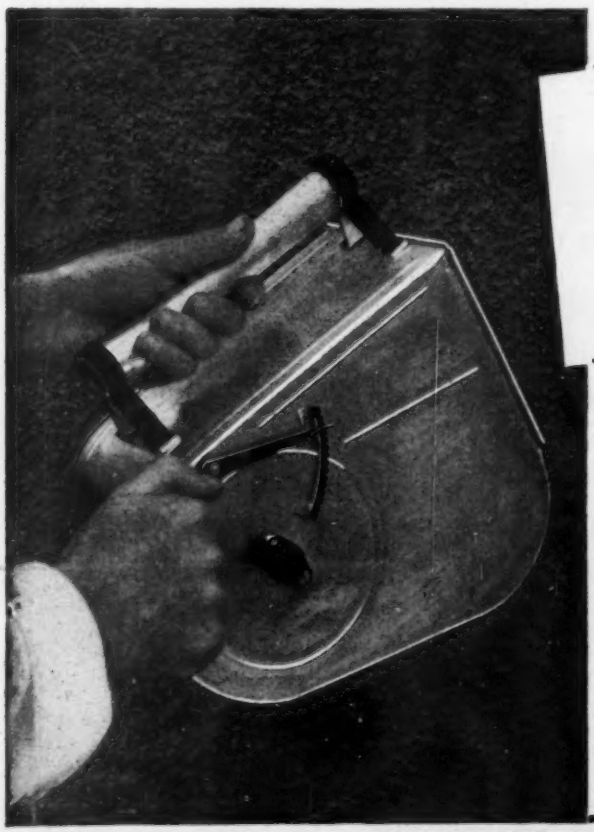
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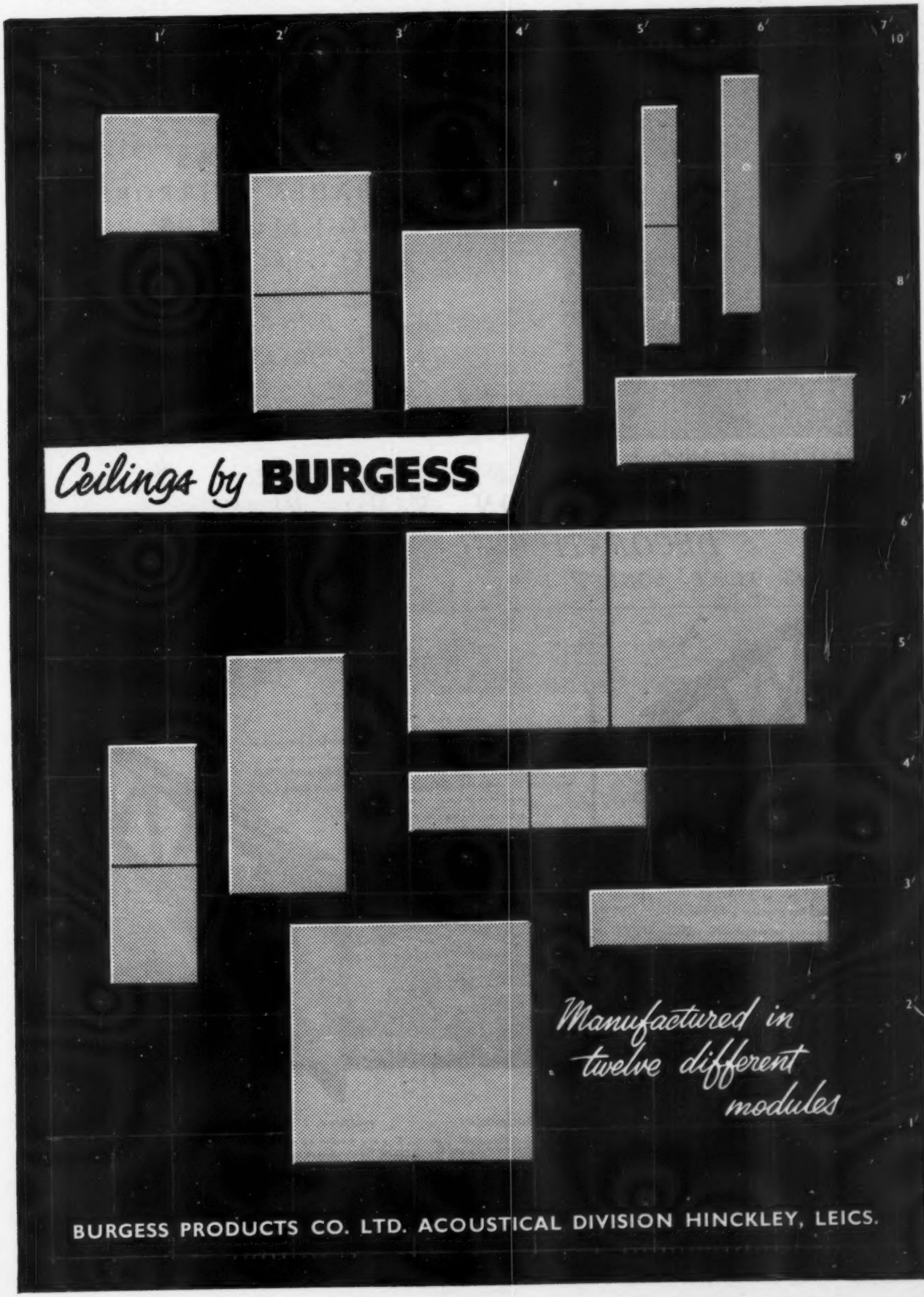
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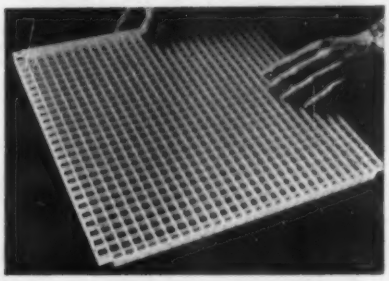
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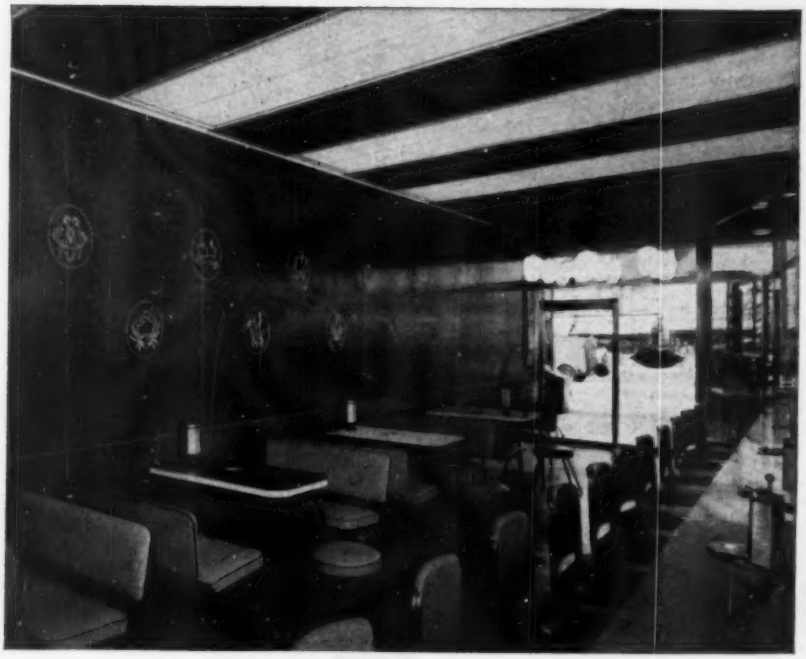
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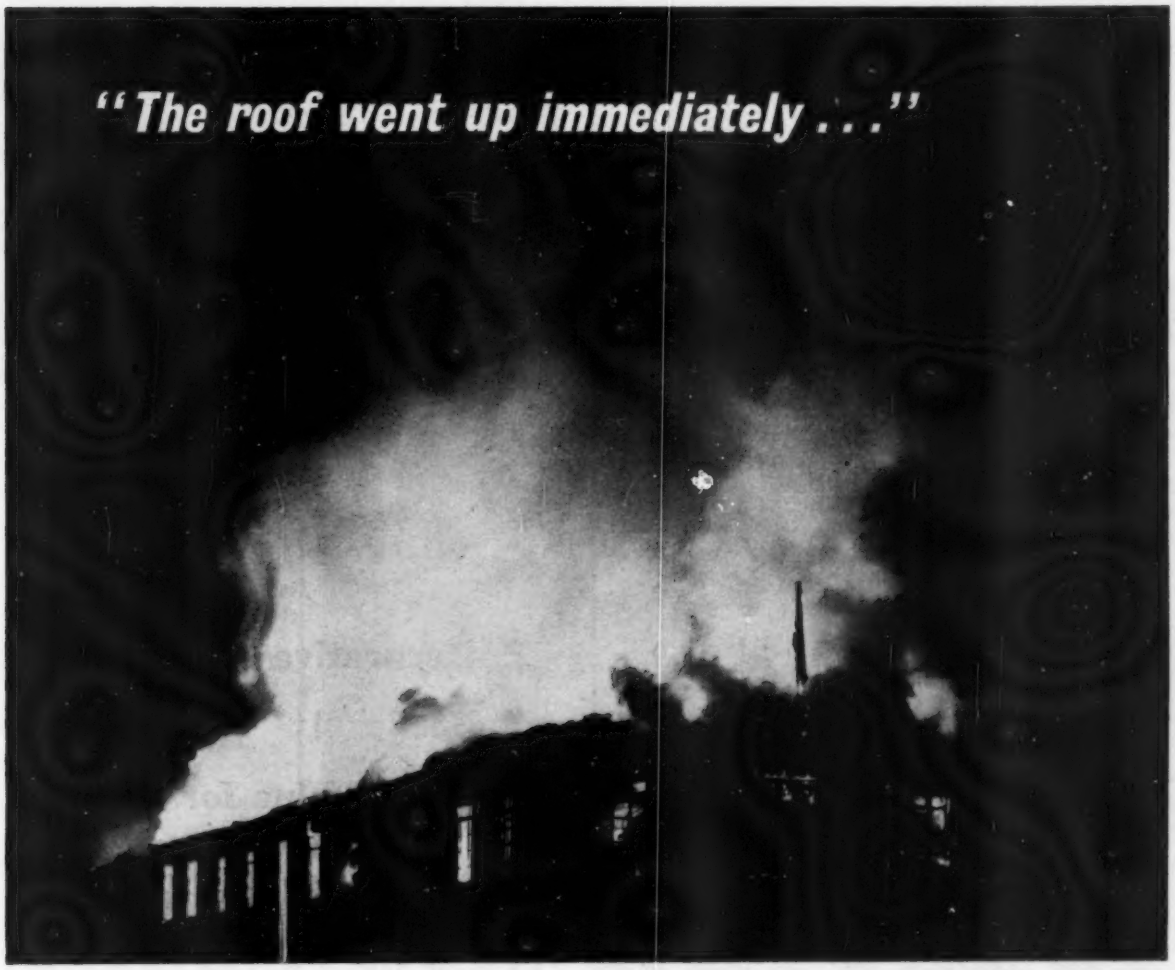
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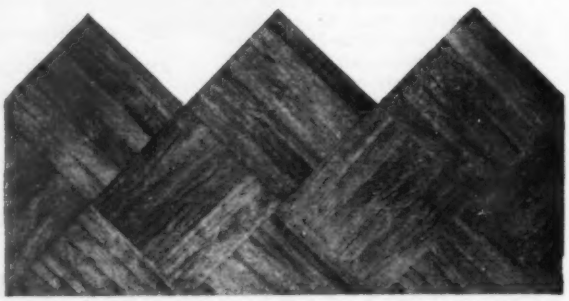
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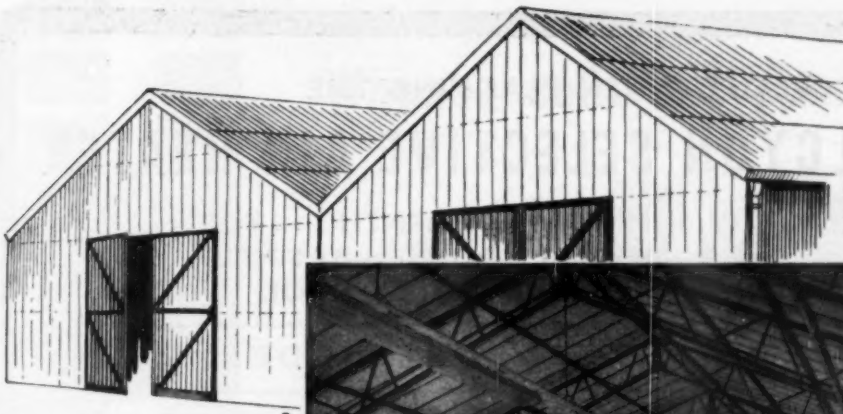
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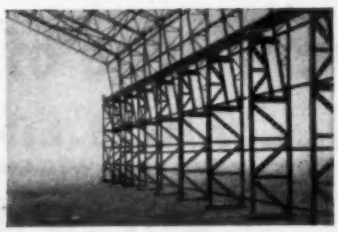
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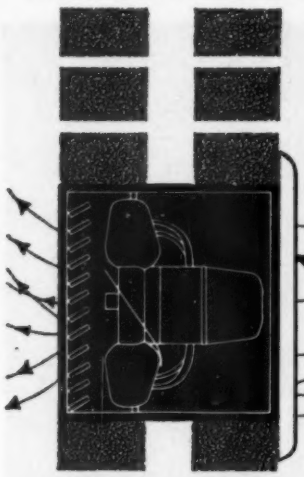
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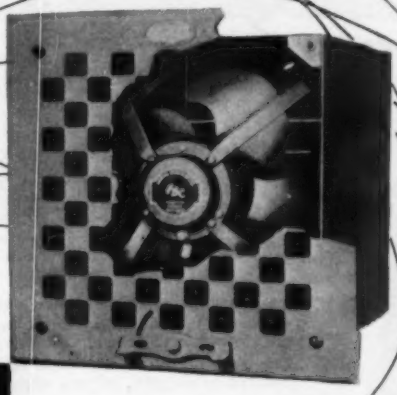
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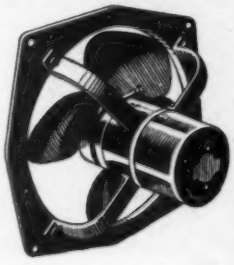
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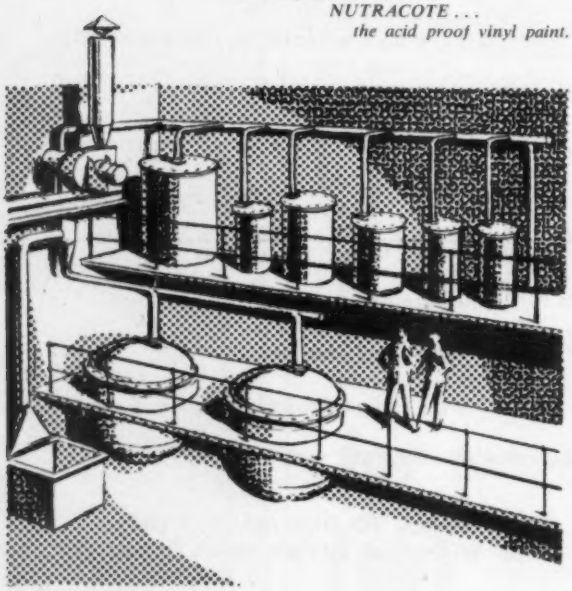
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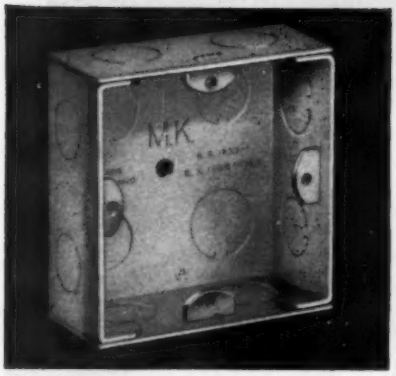


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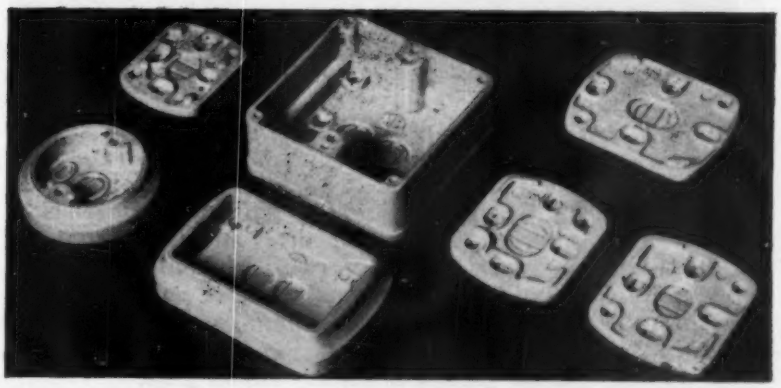
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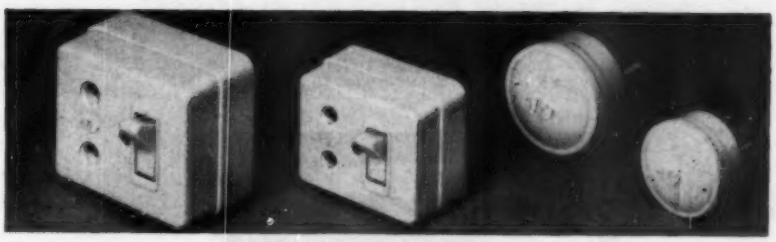
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Vol. 216 No. 3

THE ARCHITECT & BUILDING NEWS

26 August 1959

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PLANNING CHANGES

WHEN a local planning authority refuses to grant planning permission for a building proposal and an appeal follows, much publicity is given to that appeal. As a result, those who are interested or affected may make their views known to the Minister of Housing before he comes to a decision. On the other hand, there have been many instances where some objectionable development has taken place before local residents had any knowledge of the matter at all.

Slaughter-houses and fish-and-chip shops have provided examples; those living nearby did not know that an application had been made for planning permission. In some cases where the matter was decided by a planning committee it often happened that some local councillors knew nothing of it until the development had been undertaken. Why, it was asked, could not the public be told that applications of this kind were being made to the local authority?

Another even more widespread complaint has been that planning permission can be sought and sometimes obtained without even the owner of the land or property affected being aware of what was afoot. A similar argument was voiced by agricultural tenants.

The new Town and Country Planning Act, which came into force on August 16, has changed all this. In the first place, from now on, no one who is not the owner or tenant of all the land in question may apply for planning permission without first notifying all owners and agricultural tenants who are affected. Secondly, if in future anyone wishes to apply for planning permission to carry out one of certain specified kinds of development, he must first advertise that fact and must make the plans available for public inspection. No one may now apply for planning permission or make a planning appeal at all without certifying that he has either taken the steps mentioned or that they do not apply to his case. The detailed procedure involved is considered on another page.

These changes are likely to be welcomed in many quarters. Architects interested in the environment, local civic societies and preservation societies will all be pleased with the changes, in principle. When they look at the list of developments which must be advertised they may be less happy. Much has been omitted that could well have been included, and some things included that are hard to justify.

In this connection the Minister of Housing may have misled Parliament. The special classes are set out in the new General Development Order. The Minister indicated in Committee that this would be so, but assured Members that the House would have an opportunity to consider the contents in detail when the Order was laid. In fact, the Order was laid before the House on the very last day of the sitting, so that any debate or consideration was rendered impracticable, if not impossible. In view of the disappointing contents of this Order, this was perhaps unfortunate.

The new arrangements will affect everyone concerned with building, and they require careful study. Planning applications will become more complicated than hitherto and there is likely to be a major increase in administrative work. Whether the additional work will turn out to be justified may well depend upon the use to which the public make of the new opportunities. It will also depend upon whether the new procedure causes a slow-down on the planning machine, which really needs to be speeded-up.

D

EVENTS AND COMMENTS

ONE MAN'S MEAT

My pictures show two plastic litter bins—with galvanized steel interiors. The exteriors are made of Polyester resin reinforced with glass fibre. The design of the smaller is passable but the larger seems to me crude and unimaginative. Both can be supplied in bright colours. Coloured litter bins have been found to attract litter, but the colouring should not be so bright as to make the litter bin a piece of litter in its own right. However, the design of the bin itself is not the real trouble here. An ingenious firm supplies the bins free to local authorities, and one look at the pictures will tell you why. This horrible idea could turn every other lamp post into an advertisement hoarding. It is the kind of idea that makes one despair of ever having a pleasant townscape. It will be interesting to see the reactions of local authorities. Let us hope it will do good by spurring them on to provide more litter bins at their own expense.





Litter bins supplied free to local authorities in an advertising campaign

BULL YARD REUNION

On another page you will find a letter from Arthur Ling announcing a reunion of those who have served in the Coventry Architectural and Planning Department. It will be held on Friday, September 18. Write to Mr. Ling for full details. The department is shortly moving into accommodation specially built for it. The Bull Yard building which was, I believe, the original Rover car factory is to be pulled down.

SPEC HOUSING NEW LOOK

The two pictures of domestic architecture on the facing page are not from Denmark but from Scotland. They show some built-to-sell houses put up at Dunblane by the Weir Housing Corporation. A terrace of eight has been built overlooking the golf course. The sponsors aim to catch the "young executive" market and the houses sell at £4,250. Electrical floor-warming is used and garages are provided. The ground floor is on two levels and there are two bedrooms upstairs. The architects were: Law & Dunbar-Naismith, of Edinburgh. Here is a speculative builder with the right ideas.

COME AND EAT

The relationship between the R.I.B.A. and the A.A. is quite often misunderstood by the uninformed. Members of the latter can quite often be heard explaining that the A.A. is not a rival show and that the majority of its members are also members of the R.I.B.A. They hasten to add, however, that the A.A. is not an allied society of the R.I.B.A., but is an architectural school, usually of course they say *the* architectural school and a club for architects. It is then explained to the inquirer that the R.I.B.A. is not really a club but a great administrative machine on the council of which the A.A., in common with the allied societies, is represented. By this time the "uninformed person" is becoming confused and irritable. "But you have just said that the A.A. is not an allied society of the R.I.B.A," he cries. "Quite so," replies the member. "Then where *is* the allied society for London if the R.I.B.A. is not a club?" "Well, actually in Bedford Square at the A.A., only it's not an allied society." At this point the inquiring party, if he happens to be stout, collapses.

Normally speaking, rivalry can hardly be said to exist between the R.I.B.A. and the A.A., but an entertaining state of affairs has now arisen. They are competing for your custom—that is if you happen to be a member of both. The A.A. has had a dining room for years, the R.I.B.A. started a staff canteen after the war and then threw it open to members. It was not a very attractive place. Things have changed and, on the new top floor by Playne & Lacey, there is now a fine dining room decorated, furnished and equipped by Margaret Casson. The food is cheap and good, and is supplied in considerable variety. There is a splendid view from the windows of the new B.B.C. building and other national monuments and there is always a chance of cornering the secretary or some other member of the staff. All this splendid new set-up requires is more plain eaters. Think of the convenience to committee men due in one of those entrancing rooms on the second floor at 2.15! Think of the aesthetic pleasure of eating in one of London's few architect-designed "contemporary" restaurants!

The A.A. dining room is by comparison too traditional for words. The food, plentiful but not very varied, is good, but slightly more expensive than the R.I.B.A. The A.A. makes a handsome loss on its catering, partly because of cheap meals for students, but mainly because it has to maintain its catering staff

in the vacations when there are no students and no functions. The A.A.'s appeal for more lunch-time eaters is, in a way, an appeal for charity. If this battle for the alimentation of architects were in the commercial world it would now take its natural course. An Espresso machine at the A.A., a juke box at the R.I.B.A., a pop singer at the A.A., two juke boxes at the R.I.B.A., South American décor at the A.A., Piranesi ditto at the R.I.B.A. and so on, with free meals in both.

R.I.B.A.-IDEAL HOME MAGAZINE SMALL HOUSES

This jointly sponsored competition was held so long ago that I had almost forgotten it. The results are about to burst on the architectural and speculative building world. There were something like 1,500 entries, of which 30 have received awards and will appear in book form. Working drawings of these 30 may be bought. An exhibition, during which all 1,500 entries may be seen at one time or another, and where the prizewinners will be seen in drawing, and some in model, opens at the Building Centre next Wednesday. The aim of the competition and resulting scheme is to improve the design of houses built for sale and in particular to jerk the small builder from his out-of-date, between-the-wars pattern book, if he ever had one, or from the scribble on the back of that old envelope.

When the scheme was first planned there were some protests from provincial architects who claimed that their livelihood was threatened. Some of us with memories of designing small houses wonder how any architect managed to make a profit out of them. The success of the scheme will depend in the end on public opinion and public opinion will have to be guided by a very skilled publicity campaign. I hope this has been thought out.





Spec housing in Dunblane, Scotland, by Weir Housing Corporation Ltd. Architects: Law & Dunbar-Naismith

HEAT AND SOUND INSULATION

Interest in insulation problems is not now confined to architects or other specialists. Large chunks of the public now know that you should put something or other in the loft and bung up the cracks round your windows and doors. (That this may make the fire smoke is part of the price you have to pay for scientific progress in building.) This information, with a very slight knowledge of cavity walls, thermos flasks and there being no substitute for wool may turn the man in the street into a heat insulation crank, but it does mean that living, as most of us do, without central heating can be made more bearable at not much cost. By and large, people can be said to know about heat insulation.

Sound insulation is quite another matter. Here there is ignorance and confusion. The confusion is worsened by literature published by some manufacturers. In the public mind sound insulation and sound absorption are hopelessly muddled. Far too many people think—until they have tried it—that the way to reduce the noise of the next door TV is by hanging an acoustic quilt on the party wall. It is cold comfort, I agree, to someone being driven frantic by neighbourly jazz to tell them that by doubling the thickness of the party wall some improvement might be brought about. Again, elderly people, living in too large houses, quite often sink their remaining capital in converting them into flats only to find their lives made unbearable by the quite ordinary goings-on upstairs. Hopefully they tack some fibreboard on the ceiling. Too late they discover that the sound insulation of floors in existing buildings is an expensive job. Had they known they might never have embarked upon the conversion.

This state of affairs will not do. The building industry is largely to blame. Small builders in particular know next to nothing about sound insulation. A campaign is needed to improve the industry's knowledge of heat insulation and to lay a foundation of knowledge about sound insulation. Standards for both should be laid down and made compulsory in all new house building, not in five years' time, but now.

This outburst was provoked by the description in a Dutch paper of a West German exhibition on these twin subjects. It consisted of over a hundred panels on which clear and simple diagrams illustrated the various problems and their solutions. This type of exhibition would be admirable for Charing Cross Underground Station. The exhibition dealt only with theory and was not cluttered up with *do it yourself* information. Its lesson was rammed home as a lesson, to make people think. In this country, some years ago, manufacturers combined to produce useful literature on keeping warm. Now we want a campaign on how to keep quiet in a noisy world—but no false claims or half-truths, please.

ABNER

NEWS

Future of the National Parks: Nation Must Decide

Before any fresh Government legislation is brought forward to amend the National Parks and Access to the Countryside Act, the nation has got to think out more clearly than ever what exactly it wants to make of the National Parks, said Mr. Henry Brooke, Minister of Housing and Local Government, when he addressed the conference of National Parks Authorities at Bakewell, Derbyshire, recently.

"They are not to be museums, without life in them; everyone agrees on that," he continued. "Equally they are not to be mere holiday resorts, with the Park Planning Authority measuring success simply by whether it can attract the maximum number of visitors and induce them to spend the maximum amount of money—as if it were the entertainments committee of a seaside resort.

"Unless we can carry with us those who have their home and earn their daily bread within the National Parks—unless we can so administer the parks that we win their support for the whole idea—this magnificent purpose to which we have set our hand will fail. There can be no absolute principles which we should apply blindly, come what may. Unless we act reasonably in all things, we shall not secure and retain for the long run the genuine support of public opinion which we must have if the National Parks idea is permanently to flourish and bear fruit."

Mr. Brooke had said earlier that there were some provisions of the 1949 Act that he would like to see amended. He had been studying all suggestions for amendments, and, if one day it became possible to introduce amending legislation, he hoped they could "manage to produce a measure which would have something in it for the Commission, for the Park Planning authorities, for the people who live in the National Parks, and for the people who come to enjoy their beauty".

Turning to the problem of industrial development Mr. Brooke said: "It is the fate of a Minister of Housing and Local Government that he has constantly to steer a course between contraries. It happens time and again when deciding difficult planning appeals. I know that some of you have criticized me for allowing the nuclear power station at Trawsfynydd (see A. & B.N., August 29, 1957) and the industrial developments at Milford Haven.

"I would simply ask you to accept it from me that none of these decisions is easy. We all tend to think there is too much planning restriction when we are not allowed to do what we want, and too little when our neighbours are allowed to do something that we don't want. My task, which I try to fulfil as well as I can, is in the words of the Hobhouse Report: 'To ensure that the irreplaceable values for which these areas have been chosen are given due weight in the national balance.'

"Whenever a decision to allow industrial development in a National Park is eventually given, it is never the case that the beauty and the remoteness have not been considered. The scales are heavily tipped in their favour from the outset, but sometimes there may be exceptional weight on the other side. We cannot be left behind in a changing world; but we will not spoil our heritage for ever for lack of care and thought."

Architects may be Classified in Chamber of Commerce Year Book

Architects who are members of a chamber of commerce may now have their names in the classified list in the year book as well as in the general list, it was decided by the Architects' Registration Council, meeting on June 17.

Honorary Members, E.A.I.A.

Basil Spence, O.B.E., P.R.I.B.A., and C. D. Spragg, C.B.E., secretary, R.I.B.A., have accepted honorary membership of the East Africa Institute of Architects. (July 1.)

Official Architects' Council

The Association of Official Architects has elected the following members to serve on its Council:

Elected on a regional basis—Berks, Bucks and Oxon, Albert E. Smith; Birmingham & Five Counties, James C. E. Tainsh; Devon and Cornwall, Michael K. Kirkbride; East Anglia, John H. Pogson; East Scotland, Dennis A. Forder; Essex, Cambs and Herts, Norman P. Astins; Hampshire and Isle of Wight, J. F. Hudek; Liverpool, John H. Davies; London and Middlesex, Kenneth G. Jones and Thurston M. Williams; Manchester, Donald B. Carton and Alan Close; New Towns, John C. Whitney; Northants, Beds and Hunts, Harold Hartley; Northern, Harry R. Clark and James Duxbury; Notts, Derbys and Lincs, J. Belchamber and Eric H. Turner; Sheffield and South Yorks, Austin Ibrahim; South-Eastern Region, Philip A. Clark and James H. Ecclestone; South Wales, John S. Davies; Wessex, Leonard J. Johnson; West Scotland, Ian M. T. Samuel; West Yorkshire, Harry Judson and Ernest F. Smith.

Elected on a national basis—Edgar H. J. Adkins; J. P. Allison; John T. Bell; R. J. F. Carter; G. A. Cole-Evans; Rex Dempsey; Geoffrey J. Foxley; Anthony Goss; Charles F. Kimm; Bernard C. Mitchell; Percival F. R. Osman; Moira Shield.

Competition Result of 16-Storey Building, Cairo

In the competition for a 16-storey building in 26th July Street, Cairo, held by the Shark Insurance Company, the winning design was submitted by Mahmoud Fikry Abdel-Halim. Second prize was awarded to Ahmad El-Hadary; third prize was awarded to Fawzy Hinein.

The competition conditions were unusual in that competitors had to provide their own programme for the most profitable use of 13 upper floors. In the winning design, 3rd to 8th floors were private offices; 9th to 12th floors are flats; 13th and 14th floors are hotel accommodation; 15th floor is a restaurant and club. The winning design will be published in a future issue.



Perspective of the winning design submitted by Mahmoud Fikry Abdel-Halim, in the 16-storey building competition, Cairo. Competitors had to provide their own design programme

Architects in Industry Group

Since July, 1958, eighteen architects, employed full time in industrial companies, have been meeting at the R.I.B.A. under the chairmanship of Mr. Stuart Bentley on the invitation of the *ad hoc* committee on representation of members in salaried employment and review of structure of the profession. Now the group is to continue on a more permanent basis, using facilities at the R.I.B.A., with the object of discussing common interests for this large body of architects who handle work something in the region of £275 million annually. The group's immediate purpose is to find ways of improving the quality of its work and the extent to which architects are engaged to do it. It will start by exchanging information on administrative and technical matters, status in relation to engineers, and the degree of authority and architectural freedom. In the first instance membership will be limited to architects working for manufacturing companies but the group hopes later to invite private architects interested in industrial work to join the discussions.

The first aim of the group when founded in 1958—which was to provide the R.I.B.A. with data on this side of the profession—has been accomplished.

Travelling Grants to the States

Percy Johnson-Marshall, group planning officer in the architects' department of the London County Council, has been awarded a Ford Foundation English Speaking Union travel grant to the United States for 1959 to 1960. A similar award has also been made to Anthony Alfred Caro, senior part-time lecturer and teacher of sculpture, St. Martin's School of Art, London, and to Quentin Bell, lecturer in art education at King's College, University of Durham, who becomes head of the department of fine art, University of Leeds, in October, 1959.

Easier House Purchase

Twenty-six out of more than 80 building societies making inquiries about the Government's new scheme for easier house purchase have undertaken to operate the scheme. They agree to make advances of up to 95 per cent of pre-1940 houses bought for owner-occupation. The houses must be valued at not more than £2,500 (£3,000 in London).

Design of Garages

With a view to preventing development of unsightly garages the R.I.B.A. are to ask the Minister of Housing and Local Government whether he will consider removing garages from Class I permitted development as soon as possible.

Site for L.C.C. New Town

Despite "strong planning objections" by the Hampshire County Council to the development of a new town anywhere in Hampshire, the London County Council are going ahead with technical investigations for such a scheme at Hook (near Basingstoke). The work is expected to take four months, after which the L.C.C. may consider submitting an outline planning application.

The L.C.C. have also approved a scheme, in agreement with the Ashford Urban District Council and subject to the approval of the Minister of Housing and Local Government, for the erection, at Ashford, of about 4,250 dwellings for Londoners over a period of about 15 years. The Ashford Council would undertake the development with financial assistance from the L.C.C.

President, Town Planning Institute

Professor J. S. Allen, professor of town and country planning, King's College, University of Durham, has been elected president of the Royal Town Planning Institute and will take office in November in succession to U. Aylmer Coates.

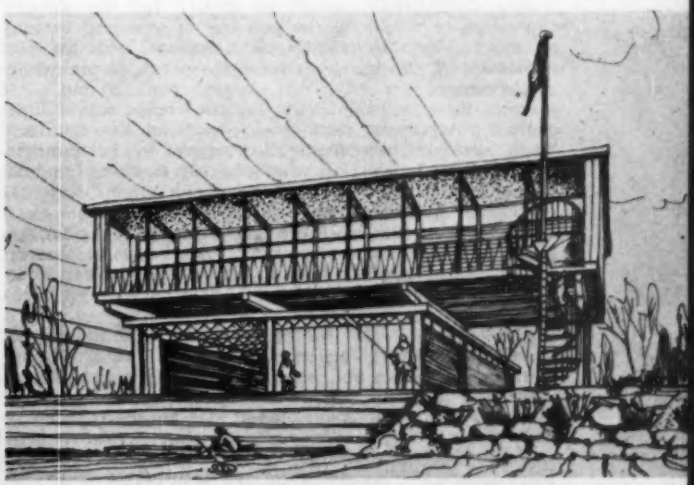
Paraboloid Roofs

Dr. L. G. Booth, M.A., PH.D., D.I.C., has been appointed structural engineering consultant to H. Newsum Sons & Company Ltd., to direct their development programme and design work. Messrs. Newsum were the contractors for the hyperbolic roof and curtain walling on the Scott Bader Conference Hall, illustrated in last week's issue.

Churchill College Competition

In our issue of August 12, 1959, it was incorrectly reported that Powell & Moya were one of the architectural firms who entered the first stage of the Churchill College Competition. Powell & Moya were, in fact, invited to take part in the competition, but they had to decline the invitation.





A boathouse for Emanuel School which is being built on the Thames at Chiswick. Architect: Laurence King; Contractors: Wates Limited

Dutch children are eager to buy from this egg-shaped refreshment stall in Barneveld, a poultry farming district

ROYAL TOWN PLANNING INSTITUTE

SPRING AT SOUTHPORT

The 33rd spring meeting of the Town Planning Institute held at Southport on 21 and 22 May, 1959, is reviewed here by J. C. Craig, A.R.I.C.S., A.M.T.P.I., Group Planning Officer, Town Planning Division, L.C.C.

DID you have a successful conference? someone asked. The answer is: how do you measure success at a professional conference? Many resorts now claim the distinction of being the best or most favoured conference town. At the spring meeting of the Town Planning Institute this honour was proudly claimed by Southport where the matter has undoubtedly been studied. The taxi driver from the station, on the wet and windy day of arrival, was anxious to know the type, strength and prestige of the gathering. A leading hotel quoted special conference rates and one felt the eyes of the local people follow one about with a here's-another-of-these-conference-chaps look about them. Southportians proclaim that Lord Street is the finest shopping street in England, but, in a small voice, one might reply how about Cheltenham, which it somewhat resembles? Cheltenham is also a leading conference town; the finest and——

Some walked to the end of the mile-long pier on the eve of the opening. The gale was fierce, the night gloom descending, the end of the pier had a pub. A notice in red bluntly warned that it was dangerous to get too close to those who fished. This air of gothic surrealism was brightened by a telephone call to the shore end for a train to take us back out of the weather.

Next morning, however, all was well. The birds sang, the sun shone, and on our way to the Floral Hall we had a look at the large bathing pool which substitutes for the sea, still some distance behind. Too cold yet, we decided, and went on to the Floral Hall.

If the location of a conference makes or mars its success, the real test must lie not only in the papers read, but in the audience and its reactions. A few years ago the Town Planning Institute widened the scope of the spring meeting to include local authority members and, indeed, anyone who is interested in planning.

Now conferences should be largely for the *definite* expression of *views*, for the grinding of axes and beating of drums, for the clamorous argument and for the expression of the unreasonable as a means of producing better reason.

From these points of view the conference was a little genteel. Argument there was, discussion yes, but not much heat. Perhaps this was dissipated in the immense spaces of the Floral Hall where the two or three hundred audience looked a trifle lost (no sitting on the terraces, gentlemen, front seats only, please).

The retiring mayor made a speech full of genuine welcome, the institute's president, Mr. Aylmer Coates, county planning officer for Lancashire, thanked him, then called the first speaker, Mr. J. Adams, O.B.E., P.P.T.P.I., F.I.L.A.

The custom at this conference is to issue the papers in advance, leaving the speakers to lead straight to the controversial issues and have these picked up by a proposer and seconder. From the speaker's point of view this method has the disadvantage that he does not know how many have actually read his paper. Mr. Adams spoke under the heading "Is Our Coastline Ripe for Development?" He dwelt on the loss of areas due to national defence and commercial demands. He foretold of possible long-term dangers from abandoned nuclear power stations, which, becoming redundant, might remain, because of radioactivity. Yet Mr. Adams did not seek to prohibit this development, rather to curtail it to urgent national land use claims.

The case for prohibition of coast town and extra coast town sprawl was unanswerable, argued Mr. Adams. Who can disagree with him when the rash of caravans, bungalows and other surface clutter abounds, and shows little signs of being strictly under control.

A reference to the seasonal employment problems of seaside towns prompted the senior planning officer, London County Council, Mr. L. W. Lane, to plead for the removal of offices to the seaside so that people could work there and come to the South Bank for a picnic at week-ends.

The protection of our remaining untouched coast line is one thing, and this should be possible. The solution to the changed status of some of our resorts was not touched upon. There are towns, and one could name many, where evidence of diminished status is read in the starkness of great Victorian hotels standing empty. Some towns even have become official areas of under-employment subject to special Government aid. What is the real future of these places? Are they ripe for redevelopment? And how? Have cheap holidays abroad produced the possibilities of ghost towns? These questions were not answered and not much discussed. Mr. Jefferson, of West Sussex, suggested a limitation of visitors during "the season" to reduce traffic congestion. This somewhat impracticable suggestion can only spotlight the problems of such towns as Herne Bay, Whitstable and Sheerness, now to be the subject of Government aid.

Mr. J. C. Craig illustrated his paper "Under and Over the Plan" by slides. He showed problems created for planners contemplating urban redevelopment by large-scale mains, wires and pipes, all of which are costly to move. His plea for planners was to know their obstacles and to ensure that individual specialist demands do not distort the central theme. He pointed out that the heavy cost of mains can inhibit a land use pattern or freeze an unsatisfactory street network.

On the subject of "Clutter and Chaos" overground, Mr. Craig asked for an unemotionally critical look at the situation, and a drive to produce something better. He thought that visual education in all the allied professions was one answer. Another, the critical visual appreciation of town surroundings to be taught in all schools. He gave some horrifying illustrations of clutter, but also, in progressive mood, some examples of detailing in the Cromwell Road extension and at the Elephant and Castle. Dealing with advertisements, Mr. Craig asserted that although there had been great improvements since the advertisement regulations there was room for further progress.

Mr. Craig's paper quoted many details relating to underground services. Speaking afterwards, Mr. Richard Edmonds, chairman of the L.C.C. town planning committee, said he intended to draw upon the contents of the paper for its extensive detail. He emphasized the cost of dealing with underground services by quoting the large sums incurred in diverting mains in the first stages of the Hyde Park Corner improvement.

Mr. J. D. C. Churchill, of the London Transport Executive, did not go unchallenged. Any address today on the Future of Public Transport in Town and Country is bound to be an argumentative subject. Both sides, private and public transport, claim right. Let public transport be on equal terms of competition with the private car, said Mr. Churchill. As a start let us have no street parking unless there is a charge. License parking in residential roads at night. Further, for planners: it is difficult to make services pay because of low density policy. The choice for town planners,

Letters to the Editor

Bull Yard, Coventry

Sir,—In September the City of Coventry Architectural and Planning Department moves into its permanent home in the new Coventry, after many years in various temporary premises in the vicinity of Bull Yard.

To mark the event the department is arranging a staff social gathering on the evening of Friday, September 18, to which all former members of the department and partners are cordially invited.

It is hoped that, on this occasion, many old friendships may be renewed and perhaps a few new ones formed.

Interested former colleagues should write to me as soon as possible, when full details will be forwarded.

Yours, etc.,

ARTHUR LING, B.A., F.R.I.B.A., M.T.P.I.,
Coventry City Architect and Planning Officer.

Caravans

Sir,—Mr. G. D. Andrew (your issue of June 17) suggests that there should be a competition among architects for interior and exterior caravan designs. It is doubtful whether architects would have much contribution to make in this direction unless they were prepared to spend far more time and effort than would be justified by any competition.

A caravan is a highly specialized purpose-built vehicle. Bearing in mind the numerous operations to be carried on in a limited space, and the unusual number of conflicting factors to be reconciled, it compares very favourably with the products of other industries. What this industry may lack in high-power design departments it makes up in a long and valuable experience.

On the other hand the support of architects for the improvements of the design of caravan sites would be very welcome. In my opinion the improvements of their appearance in the landscape is one of the most important needs of this rapidly growing land use. Two years ago I called for a competition to encourage the improvement of site design and layout. The Caravan Club was prepared to put up some prize money and administration costs, but the amenity and planning interests, whose moral backing was felt necessary to the success of the scheme, were shy. It appeared that they feared that their blessing of efforts to improve sites would be interpreted by some people as approval of the bad sites.

It is not thought a social crime to make a profit out of houses, clothing, etc., but the impact of the caravan on the national life since 1946 has been so great that judgment is disturbed by the repercussions, and anyone inside the movement tends to be accused of grinding an axe. I therefore invite support from men of understanding and vision outside the movement.

Yours, etc.,

W. M. WHITEMAN,
Editor, "The Caravan".

Building Materials in Scandinavia

Sir,—I have just returned from one of my regular visits to Scandinavia. The objects behind these trips are many, as my firm are importers into Great Britain of certain to Scandinavian building materials, including glass mosaic, ceramic tiles, etc. However, one of the principal reasons for going to Denmark and Sweden is to see for oneself developments in the use of materials.

Some five years ago, it was very noticeable that materials other than bricks were being used for external walls. Since then, each subsequent visit has shown quite obviously that there was a swing back to what the Swedes describe as "basic materials"—i.e., bricks and timber. This year I saw only a handful of buildings, including schools, blocks of flats, offices, private houses, etc., that were not using bricks as the principal facing material. On one building aluminium sheets had been used with what seemed to be disastrous results—(a) it was impossible to look at the building when the bright sun was shining on it, as the reflection was too dazzling, and (b) the sheets themselves were badly buckled due to expansion.

In discussion with members of the building trades in both Denmark and Sweden, opinions were expressed that, with the very few exceptions (mosaic was mentioned as one), non-basic materials had proved unsuccessful, both constructionally and from a "cost of maintenance" point of view.

This opinion I have also heard expressed recently in this country, so it will be interesting to see whether Great Britain will follow the lead of Scandinavia and learn from their experiences, or go ahead and learn the hard way.

Yours, etc.,

J. F. CLIFT.

SPRING AT SOUTHPORT

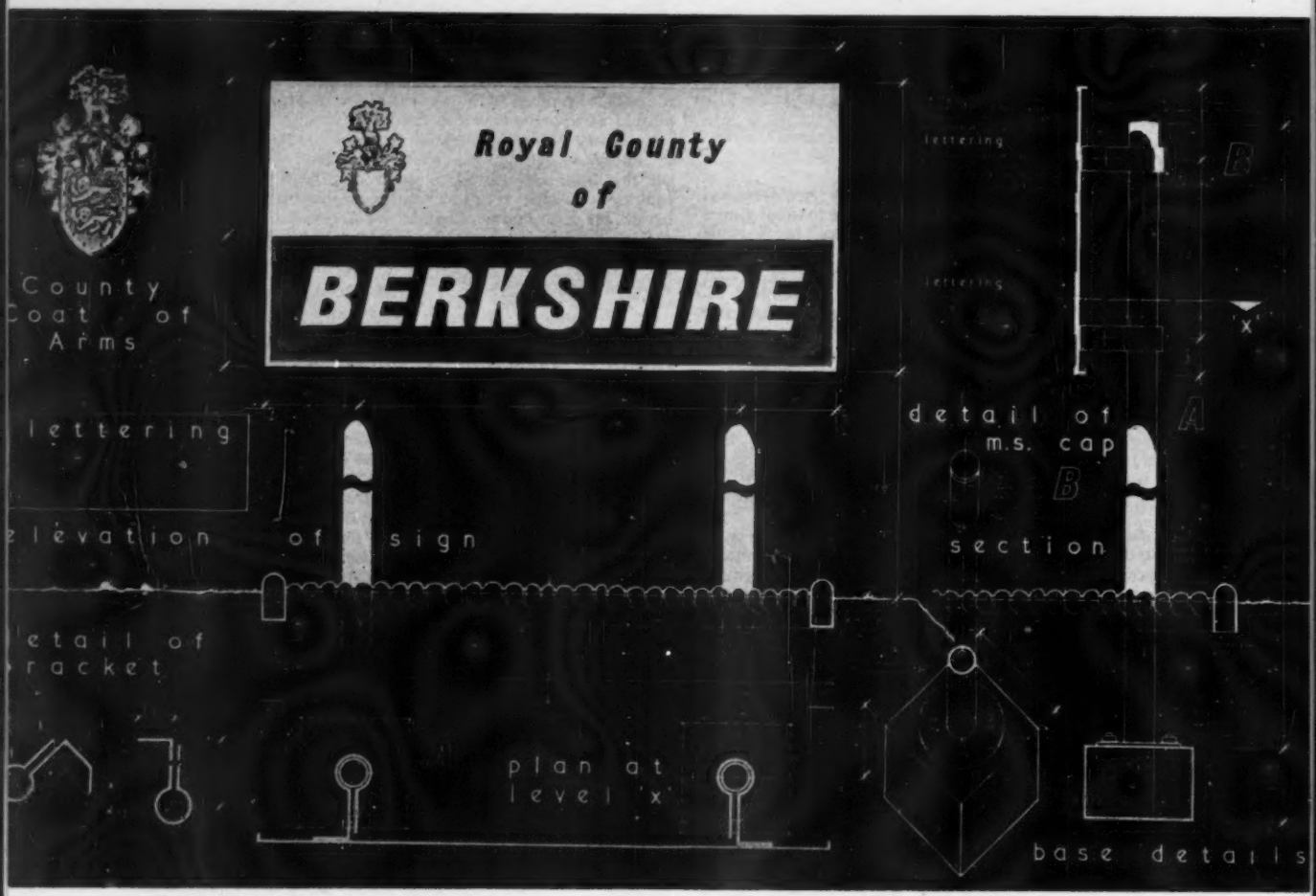
stated Mr. Churchill, is whether public or personal transport is to be taken as the main means of passenger travel.

Motoring circles jitter at the thought of payment for all street parking. We pay £400 million a year as car owners, they say; therefore, put that to providing free parking spaces and new highways.

Undoubtedly both methods of transport in our big cities are mutually bringing about the standstill of the other. There are now voices raised about the optimum number of cars our cities can contain. Some planners consider a limitation reasonable for the same arguments that density control is generally accepted as reasonable. Certainly there can be little argument that, given a freedom of action, public transport can economically carry far more people in ease and comfort than it does today. This is not so with transport in rural areas. Mr. Churchill made the point that, because of scattered development, a frequent public transport service is too expensive. The big questions are still unanswered. How shall we lessen congestion? Will any public opinion accept the idea of car limitation? Mr. Churchill is not the first to point across the Atlantic. There, American planners are beginning to talk of a revival of public transport. In finishing, Mr. Churchill asked that planners should consult with transport authorities before they began operations. One wonders whether it would not be preferable for the British Transport Commission to employ town planners in their own service. By the time Mr. Churchill had finished his paper the weather was greatly improved. When Mr. K. S. Hinswortt, M.A., LL.B., began his talk on the Lake District National Park, the sun was really warm. Southport, hitherto sparsely peopled, suddenly became as crowded as, dare one whisper it, Southend. Where so many people came from in so short a time would be an interesting study for a planner sociologist. Everyone was beaming. In the shops trade was booming.

The ubiquitous subject of car parking had its head once more raised by Mr. Hinswortt. It is the same story. Too many vehicles queuing up for, or avoiding, too little parking space. Shall we ever reach the stage, as one American commentator has suggested, where a pedestrian will be defined as a man who has successfully found a place to park his car?

One of the main points emerging from Mr. Hinswortt's paper is the failure of the Government to back the provision of accommodation for visitors with families. The Lake District is a National Park. As such, the public are entitled to adequate amenities. Of course, there are difficulties, but there are always difficulties. Mr. Hinswortt posed the problem whether it is right to subsidize accommodation for ordinary families. Why not? Other countries do not appear to be unable to solve this problem. Who knows but that, given a little encouragement, someone might actually make such a venture pay?



Winning design by N. C. Williams

BERKSHIRE COUNTY SIGN COMPETITION

Winners

1st prize: N. C. WILLIAMS

2nd prize: PETER N. PERKINS

3rd prize: A. J. DINES

Specially Commended

Mrs. BARBERA AULD

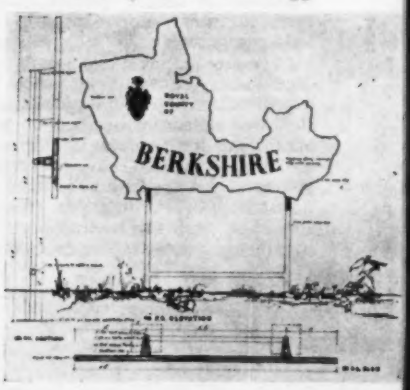
BRIAN A. ELAM

R. J. SNELLER

Design placed third, by A. J. Dines



The county boundary makes the shape in a design submitted by Daniel G. Higgs



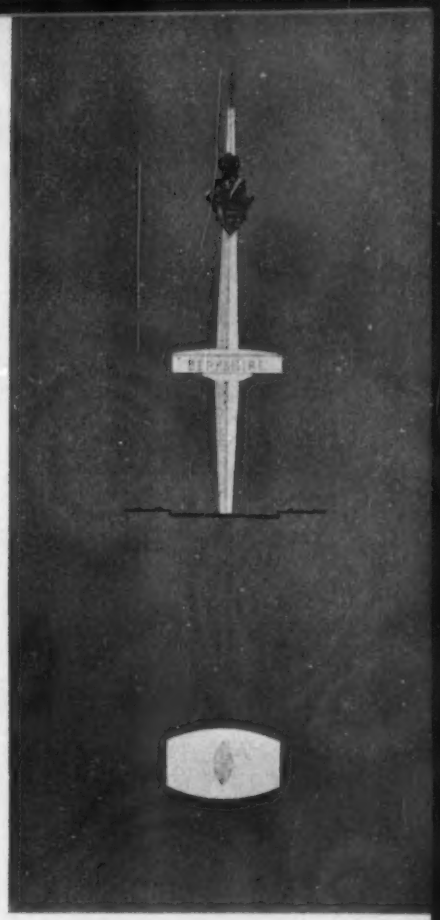
THE result of the local competition for a Berkshire county boundary sign for the principal road approaches was announced on June 25, during the recent break in publication. We now illustrate the winning design and others of merit. A premium of 20 guineas has been awarded to Mr. N. C. Williams, the author of the winning design, who is at present co-operating with the Council in producing the first sign. The assessor for the competition was E. A. Ferriby, chairman-elect of the Berkshire Society of Architects and chief architect of the Bracknell Development Corporation.

Competitors were asked to submit an elevation to quarter full size; such plan, section, elevation, constructional details or perspective sketch as might be necessary to illustrate the scheme fully; specification notes and estimate of cost. A sum of £650 has been provided for the forty-two signs, thus each sign was to cost approximately £15. The sign was to carry the County Coat of Arms and the inscription "Royal County of Berkshire". The letters in the word "Berkshire" were not to be less than four inches high. Designs were to be on paper no larger than 30in by 22in and each entry was to include specification notes.

Mr. Ferriby, in his report, said that many competitors had not given sufficient attention to the arrangement and spacing of the lettering and the importance of colour: others had been too occupied with details of construction before arriving at a good design solution and a number had given insufficient information to do justice to their submission.

He also stated that most of the entrants had concentrated on the arrangement of rectangular panels, and these designs had the obvious advantage that they were more likely to meet the differing site conditions at the various points of entry into the County. Generally, too little thought had been given to this aspect of the problem, and for this reason most of the competitors who had tried to get away from the more usual rectangular shape had failed.

Design placed second, by Peter N. Perkins



Winner's Specification Notes

Boundary sign: constructed mainly in sheet aluminium supported on tubular steel supports.

The metal fascia is to be manufactured in 14 swg (·080") sheet aluminium with the letters die pressed and the whole painted as indicated. Work to be carried out by specialist firm of Ward & Co. (Letters) Ltd., Bristol.

¼in aluminium brackets formed to detail are to be welded to the back of the sheet aluminium fascia. Internal face of bracket to be bitument coated before assembly.

The supports are to be 2½in o/d. mild steel tubular supports welded to a ¼in thick base plate drilled for a ½in diameter rag bolts bedded in concrete 1:2:4 mix. The supports are to be painted in white before bracket assembly.

Set pre-cast concrete kerb edging in cement mortar to contain feature of selected flint cobbles set in concrete to finish o/a size of 4ft by 2ft.

Cost Analysis

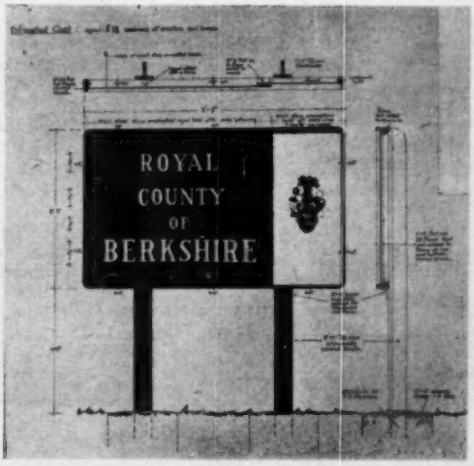
	£	s.	d.
(a) Die pressed 14 s.w.g. (0·080in) sheet aluminium complete as per Ward & Co. (Letters) Ltd.	9	0	0
(b) Two No. 5ft long 2½in o/d tubular steel supports including two No. ¼in thick m.s. base plates and four No. ¼in aluminium brackets to detail	4	0	0
(c) Six No. pre-cast concrete kerb edgings, selected flint cobbles and mass concrete ..	2	0	0
Total	£15	0	0

Below, the three designs which were specially commended

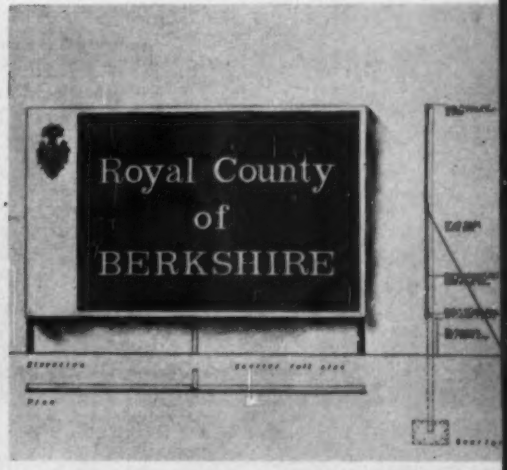
R. J. Sneller

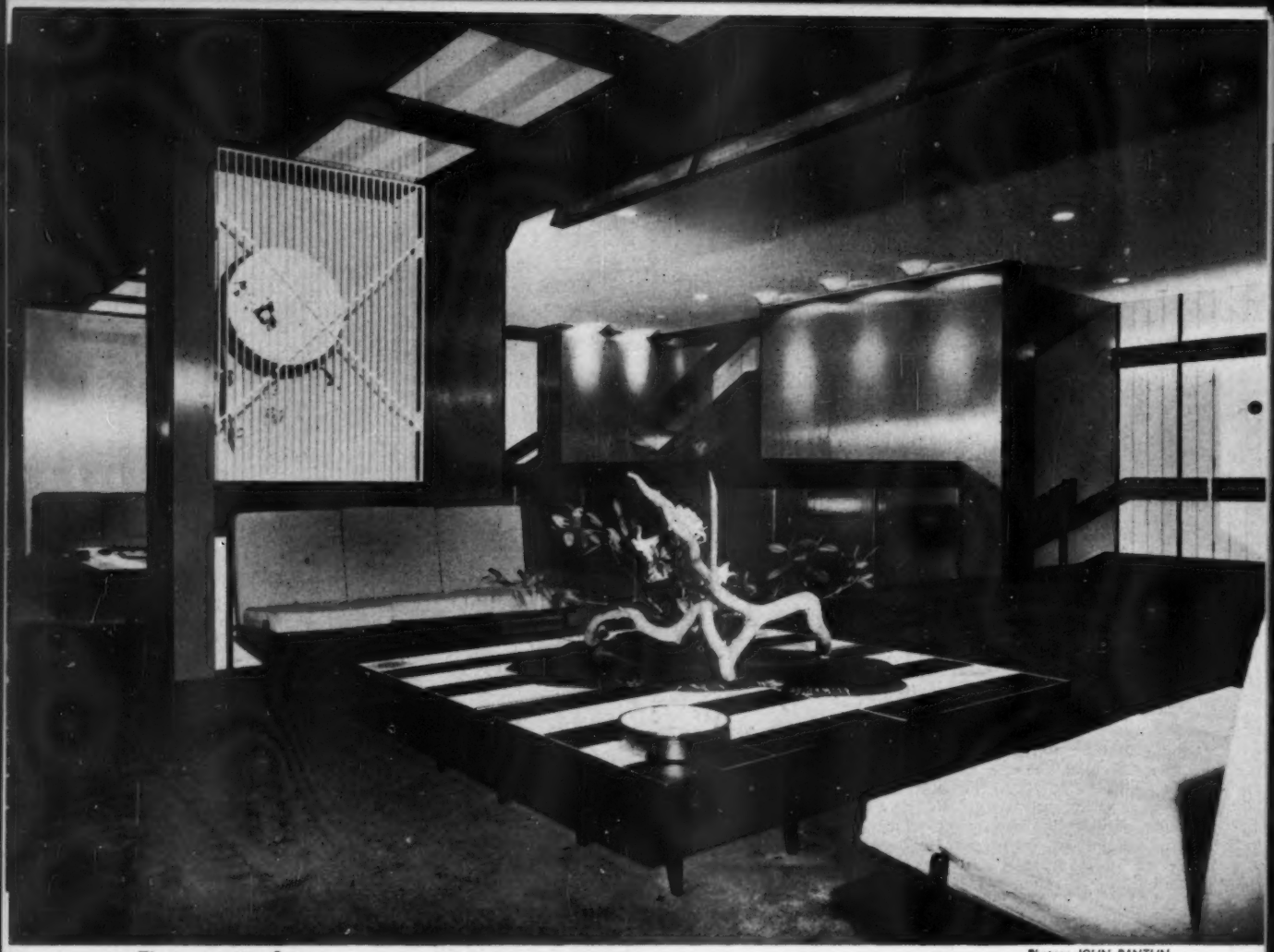


Brian A. Elam



Mrs. Barbera Auld





The mezzanine foyer

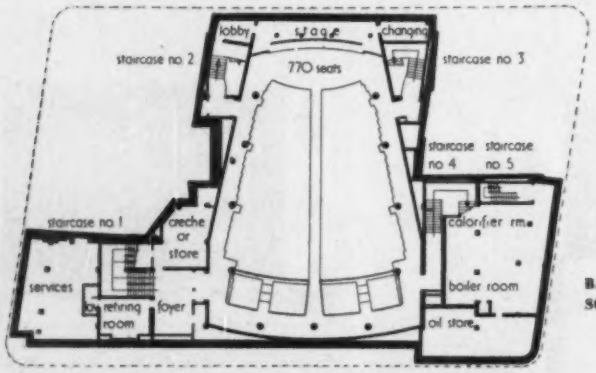
Photos: JOHN PANTLIN

COLUMBIA THEATRE, SHAFTESBURY AVENUE

Architects: SIR JOHN BURNET, TAIT and PARTNERS
Quantity Surveyors: OSWALD E. PARRATT
Heating and Ventilating Consultants: A. E. MOHRING & SON
Main Contractors: TROLLOPE & COLLS LTD.

Sub-contractors and suppliers:

Canopy Laylights: Crittall Manufacturing Co. Ltd. *Door Furniture:* James Gibbons Ltd. *Electrical Work:* Troughton & Young Ltd. *Fascia Sign:* Neon Luminous Tubes (Lundsigns) Ltd. *Glass:* James Clark & Eaton Ltd. *Granite:* Art Marbles, Stone & Mosaic Co. Ltd. *Heating, Ventilating and Plumbing:* Smeaton & Sons Ltd. *Interior Decorations, Carpets and Curtains:* H. H. Martyn & Co. Ltd. *Plyglass Laylights:* Plyglass Ltd. *Projection Equipment:* J. Frank Brockliss Ltd. *Seating:* Dawsons (Seating) Ltd. *Sprinklers:* Independent Sprinklers Ltd. *Stainless Steel Sliding Doors and Entrance Doors:* G. Johnson Bros. Ltd. *Structural Concrete:* Diespeker & Co. Ltd. *Suspended Ceilings:* Steel Bracketing & Lathing Ltd.



BASEMENT PLAN. SCALE : 1 IN=56 FT

WINGATE House, comprising seven floors of offices, a car park, shops and a cinema, is built on a site adjacent to Shaftesbury Avenue, in London.

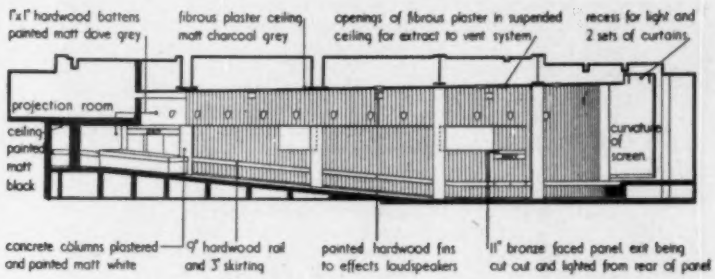
The cinema, leased to Columbia Pictures Corporation Ltd. and known as the Columbia Theatre, occupies a position on the site approximately coinciding with that of an earlier cinema, the Avenue Pavilion, which was destroyed during the war.

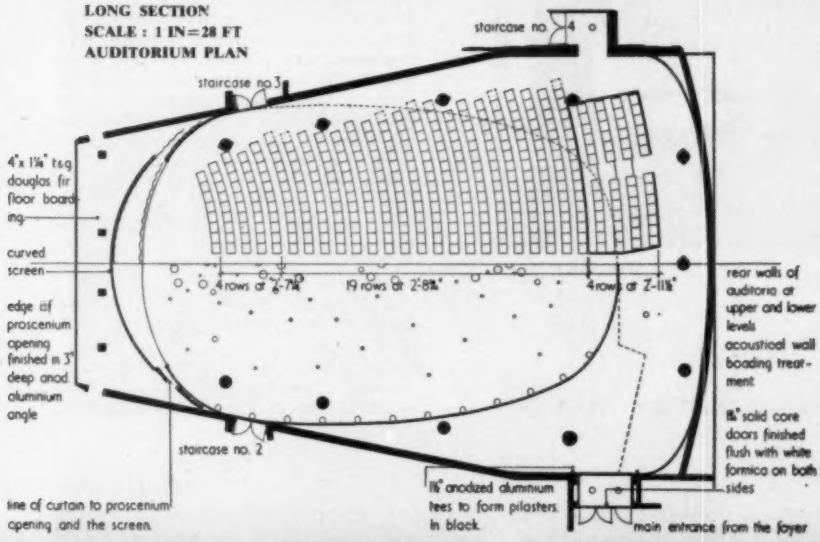
The auditorium is of the stadium type with a maximum permissible capacity of 770 seats, although this figure has been reduced to 734 in order to improve the seat spacing and comfort.

Projection equipment is of the latest type, capable of showing all the contemporary forms of projection including Todd AO on a large screen of variable curvature.

Ground Floor Entrance

A main entrance to the cinema is in Shaftesbury Avenue on the corner of Frith Street and is enclosed by two glass sliding doors in stainless steel frames each 17ft long for optional





opening in favourable weather conditions and special gala performances, and two pairs of armour plate glass swing doors for permanent entry.

Advertising display panels are incorporated in the architectural wall treatment with a further provision for transparencies. These are framed in black anodized aluminium as are the ticket offices which are glazed in flashed white opal glass for their full extent and brilliantly lit.

Mezzanine Foyer

Here the ceiling, in two levels, is fibrous plaster painted white, blue and black with recessed floodlights illuminating the blue plastic faced columns. The main lighting is cold cathode tubes concealed behind polished hardwood rails and purpose made splayed trough fittings stove enamelled black bracketed off a bronze face upstand between the two varying ceiling levels. Illuminated striped "Plyglass" laylights under the pavement lights finish flush with the black lower ceiling. Walls are white with teak faced doors to the toilets and a glass fronted ticket office as for ground floor. The carpeting is charcoal grey. Heating is by means of recessed convectors and plenum ventilation.

Auditorium

The auditorium is egg-shaped on plan, the curve of the screen forming



Auditorium



Basement foyer

COLUMBIA THEATRE, SHAFTESBURY AVENUE

a segment of the curved walls. Four steel girders, the two larger ones weighing nearly 50 tons each, give a clear span of 54ft. A large ceiling void houses ducts and services, with various accesses and catwalks for re-lamping, etc. The fibrous plaster ceiling is at two levels, painted charcoal grey at the upper level, with random circular openings for extract ventilation and lighting. The lower ceiling is painted matt black with recessed ceiling and concealed perimeter wall lighting. Walls are of fibrous plaster faceted where acoustically required and painted matt dove grey with natural hardwood wall rail and skirting. Blending with the wall treatment are pivoted slats for inlet ventilation and effects speakers. Curtains to the proscenium are of white glass fabric and a second set to the curve of the screen are in light grey glass fabric; the curtains are illuminated by concealed head and footlights. Reveals and soffit to the entrance doors are finished figured teak.

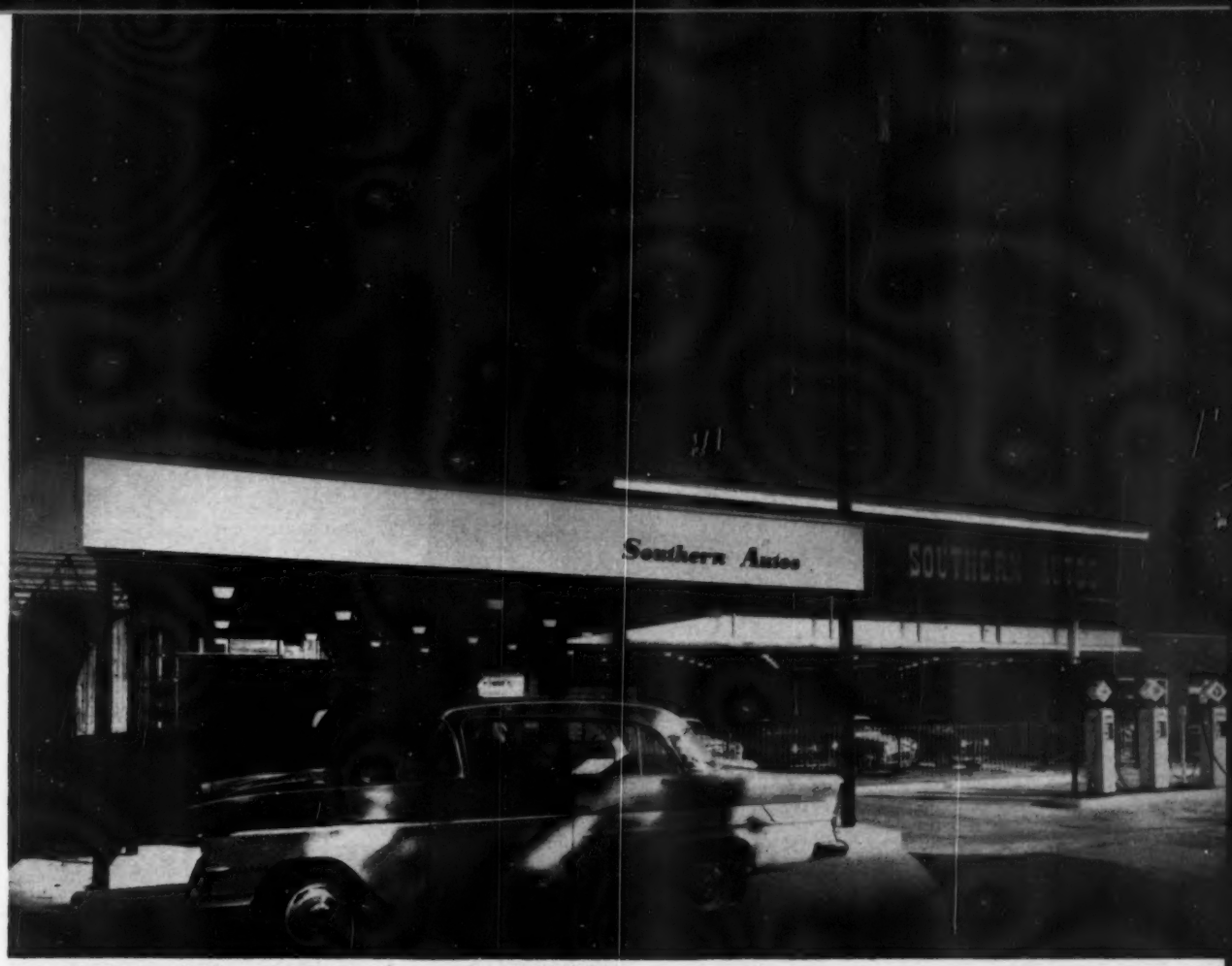
Seating is upholstered in foam rubber, covered in tan moquette.

The entire cinema floor is close carpeted in patterned light and dark grey carpet.

The auditorium is ventilated by a plenum system and in addition warmed by recessed convector heaters.

The box office





A completely open display area, see left foreground, provides a minimum of customer resistance. The main showroom is seen sealed off by metal gates, used when the premises are closed

Photos: JOHN PANTLIN

GARAGE AT CANTERBURY

Architects: ROBERT PAINE and PARTNERS
Partner in Charge: CHARLES WRIGHT
Quantity Surveyors: ARTHUR J. WILLIS & THOMPSON

THE clients for this garage, Southern Autos Ltd., of Canterbury, required car showroom, repair shop and petrol filling station on the foundations of a garage in Rose Lane, destroyed during the war. Rose Lane is due to be widened under the city plan and become the main artery between the High Street and the new Civic Centre in Watling Street.

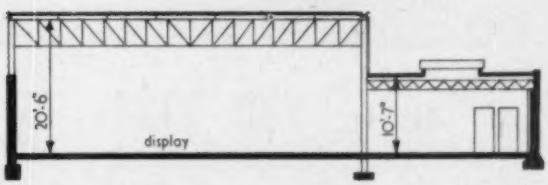
Planning

Plan requirements of the filling station caused the building to be set back from the road, and the possibility of a future service road on the north side of the building meant that only a temporary display building could be erected on that area.

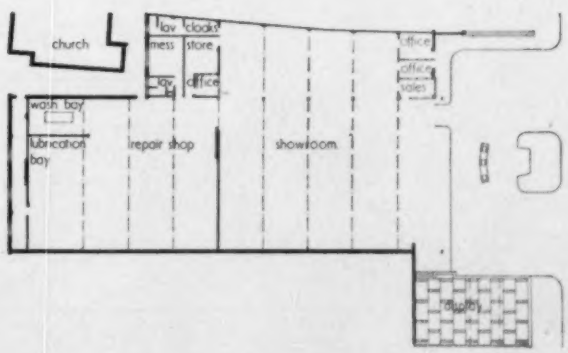
It was desirable to have as little obstruction as possible for the display of the cars and, so that prospective customers should not be inhibited by

Continued on page 80

CROSS SECTION SCALE: 1 IN=24 FT



PLAN SCALE: 1 IN=56 FT

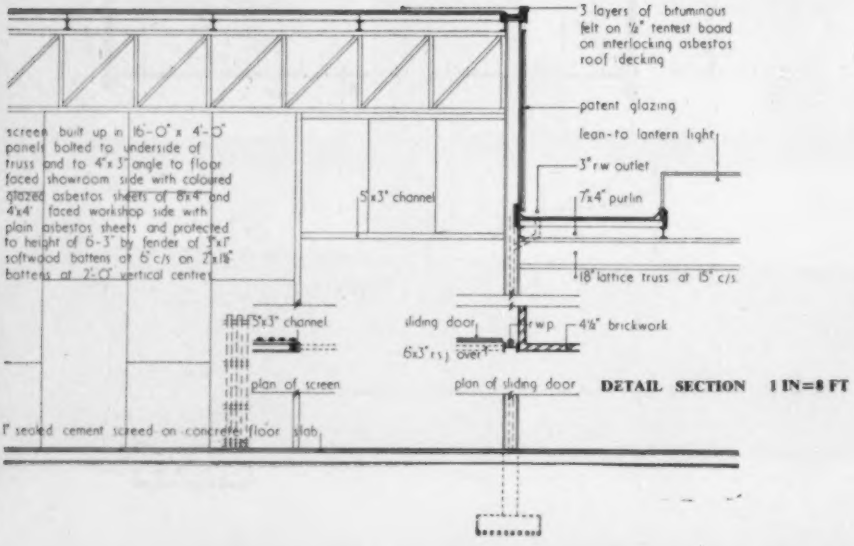






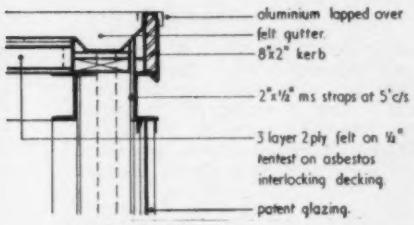
Left and below, the main building is seen as a black steel-framed rectangular box with glass and brick infill. Above, the wash bay



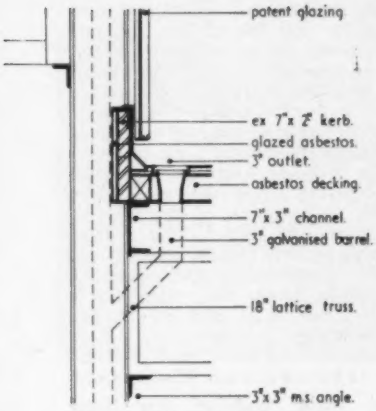


GARAGE AT CANTERBURY

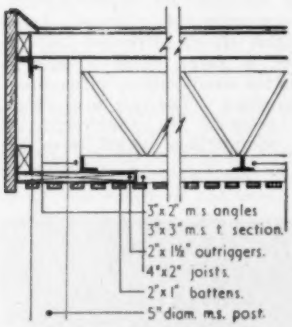
Left, a typical section through the main building. Key junctions are detailed on page 79. Structures and finishes can be seen in exterior views above, and interiors, opposite



EAVES DETAIL



DETAIL AT ROOF JUNCTION
SCALE : 1 IN=2 FT

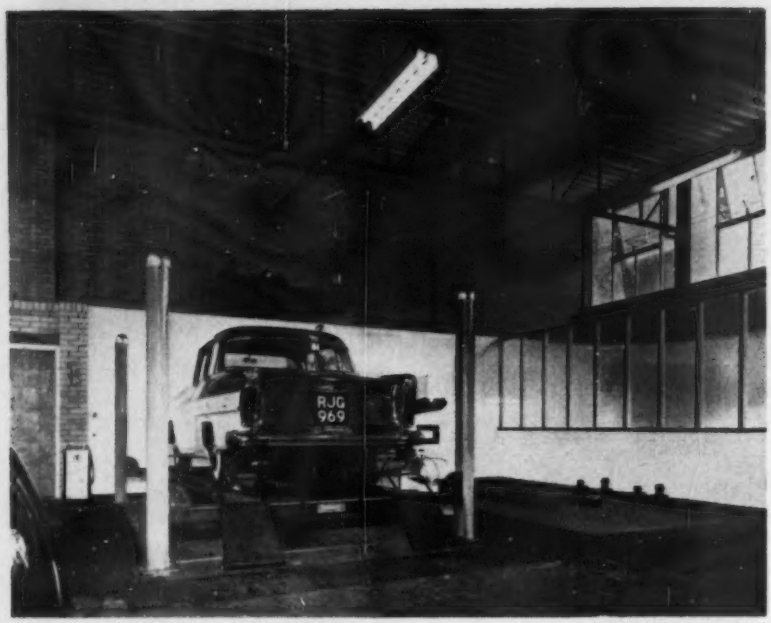


DETAIL OF DISPLAY CANOPY



Above, looking towards the forecourt from the main showroom. Below, repair shop and wash bay are seen beyond a screen of coloured glazed asbestos sheets





The lubrication bay

GARAGE AT CANTERBURY

General Contractors: RICHARD COSTAIN LTD.

Sub-contractors and suppliers:

Asbestos Cavity Decking: John Denyer Ltd. *Electrical Installations:* Electron Engineering Co. *External Brickworks (Uxbridge Flint Facings):* Cape Building Products Ltd. *Fascia Lettering:* Ward & Co. Ltd. *Felt Roofing:* Vulcanite Ltd. *Gates:* Thanet-Ware (Kent) Ltd. *Internal Brickworks (Durite):* Robert Brett & Sons Ltd. *Ironmongery:* A. J. Binns Ltd. *Linoleum Tiles:* Nasons (Canterbury) Ltd. *Lighting:* Atlas Lighting Ltd. *Lubrication Gear:* Weaver Manufacturing & Engineering Co. Ltd.; Brown Brothers Ltd. *Partitions:* Norwood Steel Equipment Ltd. *Patent Glazing; Front Metal Screen; Steel Lantern Lights; Metal Windows:* Henry Hope & Sons Ltd. *Sanitary Fittings:* A. Olby Son Ltd. *Snowtop Floor Finish:* J. H. Sankey & Son Ltd. *Structural Steelwork:* Hotchkiss Engineers Ltd.

Continued from page 77

glass or doors, the whole of the front of the building was left open so that people may walk freely into the showroom. This is sealed off by metal gates when the premises are closed. The workshop section is separated from showroom by a glazed asbestos screen.

Design

The main building was conceived as a blank steel-framed rectangular box with glass and brick infill. Front display areas are paved with pre-cast concrete paving stones with black brick dividing strips. The same area is also covered with a low suspended ceiling of pine battens. This serves to delineate the display area, to intensify the artificial light, and to create some sparkle when the sun shines through the battens.

The interior colour scheme was kept simple and applied finishes reduced to a minimum. All structural steelwork is painted black with chlorinated rubber paint and all joinery painted white.

Construction and Materials

The main building has steel stanchions and 4ft lattice trusses spanning 50ft at 15ft centres, with asbestos decking on steel purlins. Roof covering is three layer mineralized felt on softboard and the rainwater is taken from a built-in gutter on the south side by pipes down each stanchion. The size and shape of the building is conditioned by existing foundations which were reused.





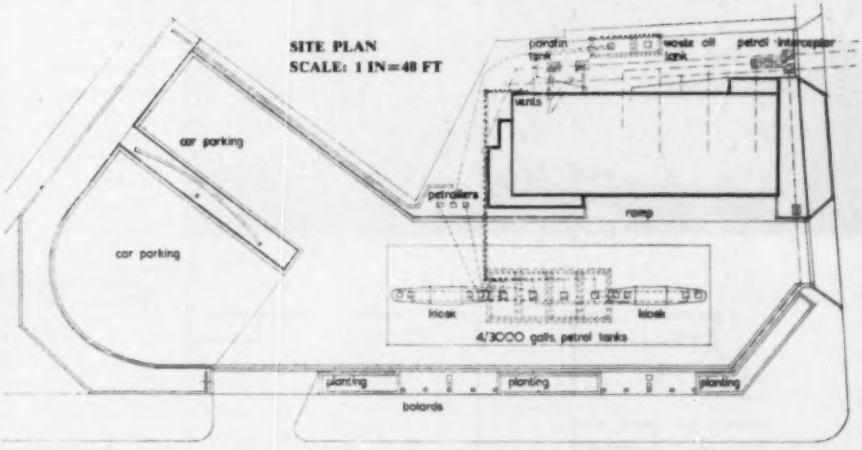
SERVICE STATION AT LEICESTER

Architects: MOBIL OIL COMPANY LTD.

A NEW three-storey service station for Fosse Motor Company Ltd., has been opened in Belgrave Gate, the stretch of dual carriageway on the A.6 to the north of the city. This 24-hour station, which will also serve as new headquarters for the company, will sell Mobilgas and other Mobil products.

The ground floor contains three lubrication bays, wash bay, salesroom and refreshment room; on the first floor there is office accommodation and the second floor will be utilized as a warehouse for storage of stocks and accessories. Access to these upper floors is by a staircase from the side of the building.

SITE PLAN
SCALE: 1 IN=40 FT



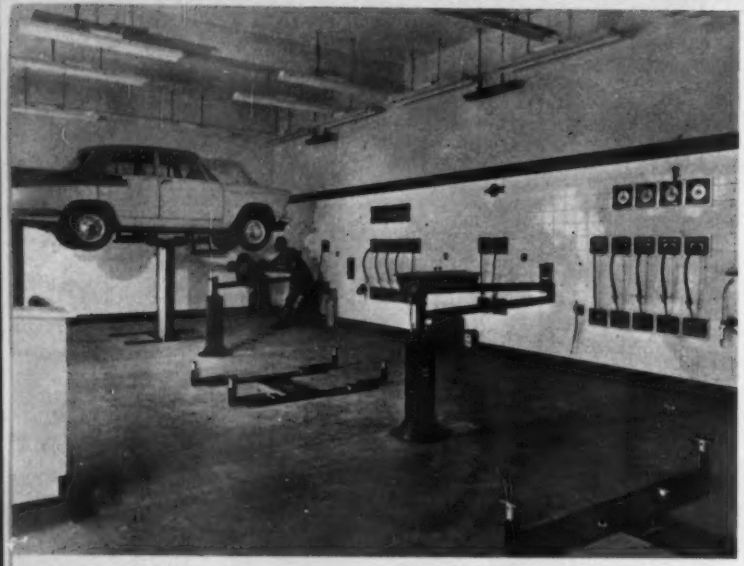
Layout

The layout of the forecourt, which has a frontage of 130ft and a maximum depth of 110ft, provides two large pump islands set 30ft apart, each island design being a self-contained unit with four petrol pumps. This layout enables adequate service to eight car positions. Each island is provided with a kiosk constructed of timber and glass. These are for the use of the forecourt attendants and each kiosk is equipped with a bulk engine oil dispensing unit for topping up the engines.

Air and water services have been provided at two points on the forecourt so that motorists can draw away from the pump islands without



SERVICE STATION



View of the three lubrication bays. Each bay contains an automatic lift, and Tecspan hose reels, sited in the wall dispense the oil through meters



The wash bay is provided with a Swain washer which is so positioned in order to enable cars to make a through circulation

interruption to the main flow of cars entering the forecourt.

Special attention has been given to the provision of facilities for scooters and mopeds by the construction of a two stroke service island fed by Petroilers.

Car parking facilities are situated at the northern end of the site, between Junction Road and Belgrave Gate.

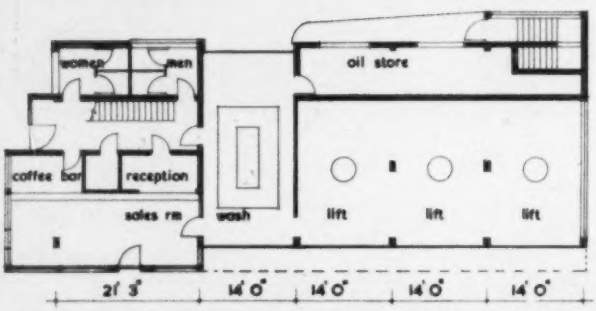
The building itself is brilliantly lit at ground floor level with extra illumination from the forecourt. This is also decorated with flower beds, window boxes and hanging boxes.

Construction

The structure of the building is reinforced concrete. The main part of the elevation is faced with 2in thick pre-cast concrete slabs with exposed aggregate of Mountsorrel granite and Whittington Moor granite. All slabs have been silicone treated for water resistance and to discourage soot and dirt lodgement. The staircase block is faced with "Ibstock" light buff facing bricks.

Equipment

The station is equipped with the most modern lubricating and washing units. Each lubrication bay has an automatic lift, servicing being undertaken from hose reels sited in the wall at the rear of each bay. These units dispense the oil through meters and waste oil from sumps is drained into sump drainers and collected in a 500 gallon tank sited under the service road. The washer in the wash bay is so positioned to enable cars to make a through circulation.



GROUND FLOOR
SCALE: 1 IN=24 FT

CROSS SECTION
SCALE: 1 IN=32 FT



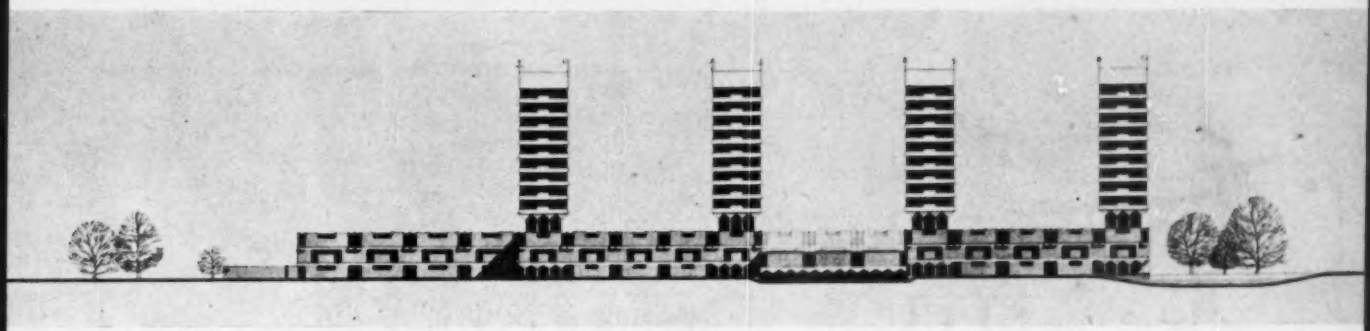
The salesroom, which includes a refreshment counter



General Contractors:
GEORGE CALVERLEY & SONS (Contractors) LTD.

Sub-Contractors and Suppliers:

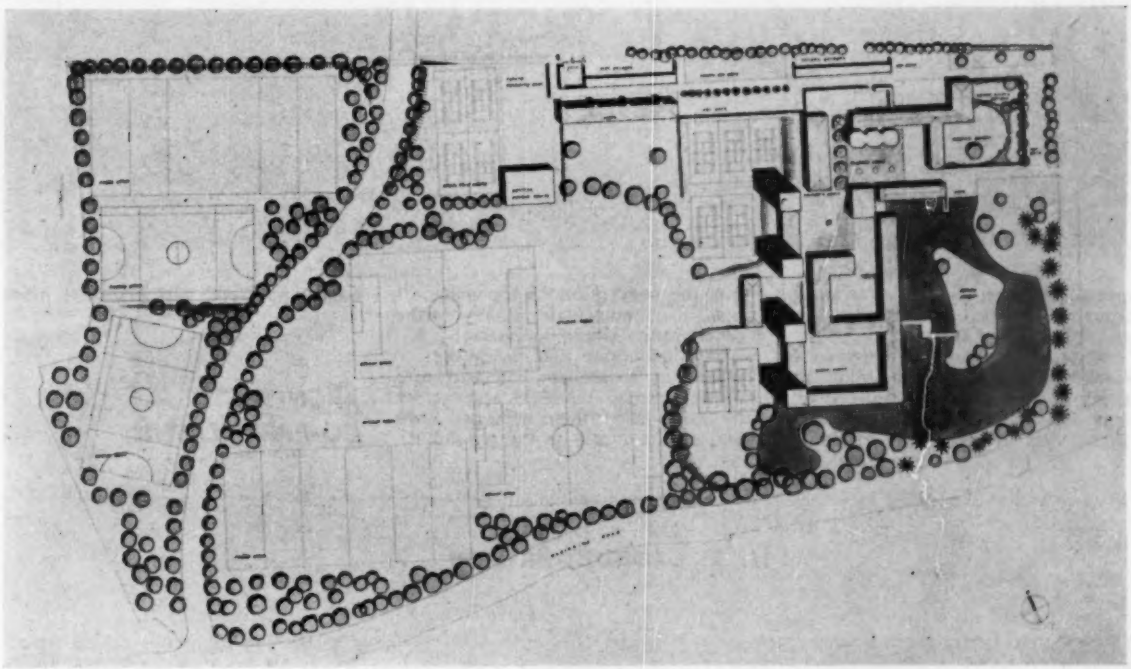
Concrete Cladding and Reconstructed Stone: Calverley (Concrete) Ltd. *Electric and Heating Installation:* Diacut (Leicester) Ltd. *Equipment and Installation:* Tecalemit Ltd. *External Plastic Paint:* Regent Surfaces Ltd. *Goods Hoist:* Evans Lifts Ltd. *Ironmongery and Sanitary Fittings:* A. D. Foulkes Ltd. *Main Staircase Balustrade and Roller Shutters:* Haskins Roller Shutters. *Main Staircase Handrail and Fire Escape Handrail:* Architectural Metal Works. *Metal Windows:* Henry Hope & Sons Ltd. *Mosaics:* Prodorite Ltd. *Oil Dispensers and Pumps:* Avery Hardoll Ltd. *Petrol Pumps:* Wayne Tank & Pump Co. Ltd. *Petrol Tanks:* W. P. Butterfield Ltd. *Pump and Tank Installation:* Pump Maintenance Ltd. *Reinforcement:* The Rom River Co. Ltd. *Service Bay Floor Finishes:* Quickset Water Sealers Ltd.



Scheme by Architects' Co-Partnership : West elevation

CHURCHILL COLLEGE COMPETITION—III

In our last two issues we published details of the winning design and three second-stage designs for the Churchill College Competition. This week we briefly consider five of the remaining 16 designs which were entered for the first stage of this Competition

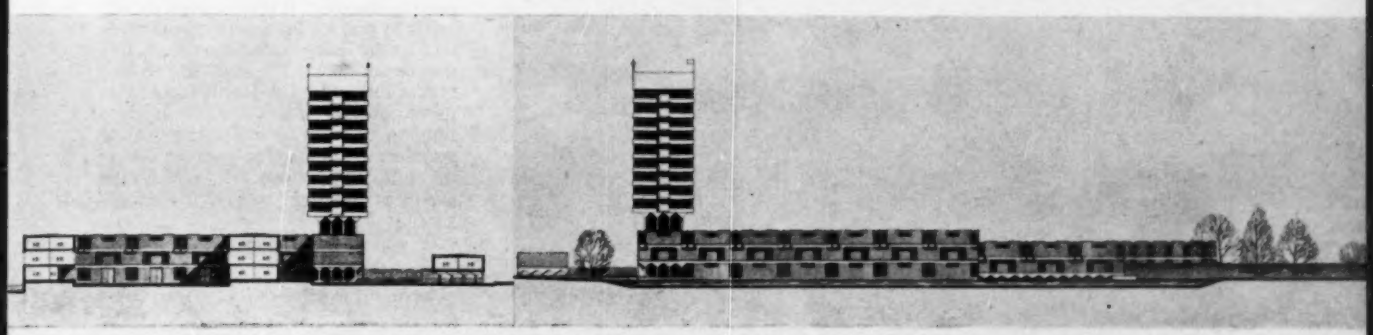


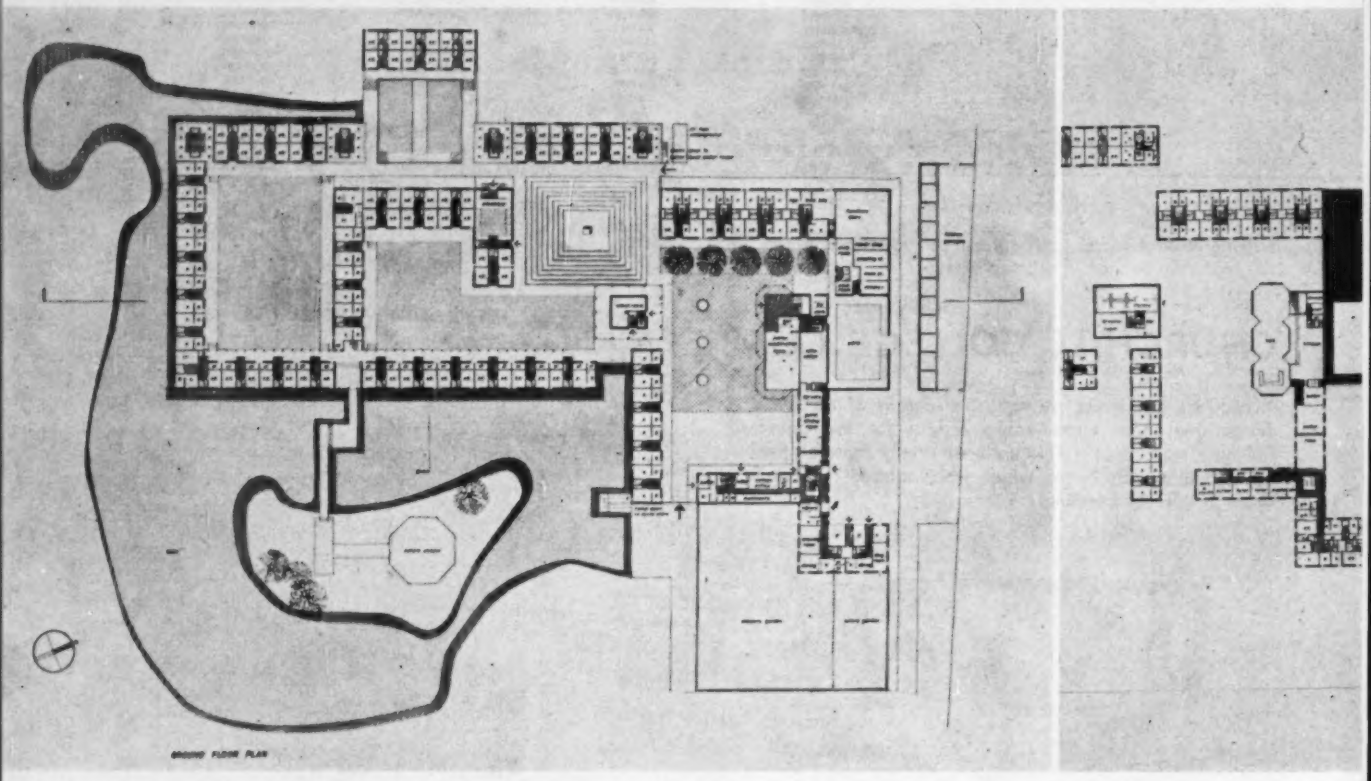
Above : site plan
Below : section and south elevation.

ARCHITECTS' CO-PARTNERSHIP

HERE the architects considered that the customary pattern of enclosing courts with buildings of relatively low scale provides a manner of living in college which it is hard to improve upon. By the combination of this pattern with towers which are approached from the courts, even a college of this size can be relatively compact on the ground, with the advantage, convenience apart, that it can be grasped as an entity.

The association of a horizontal domestic scale on the ground with the spiky verticality of pinnacles against an open sky is a characteristic of Cambridge that may appropriately be translated into twentieth century





Ground floor and part first floor plans

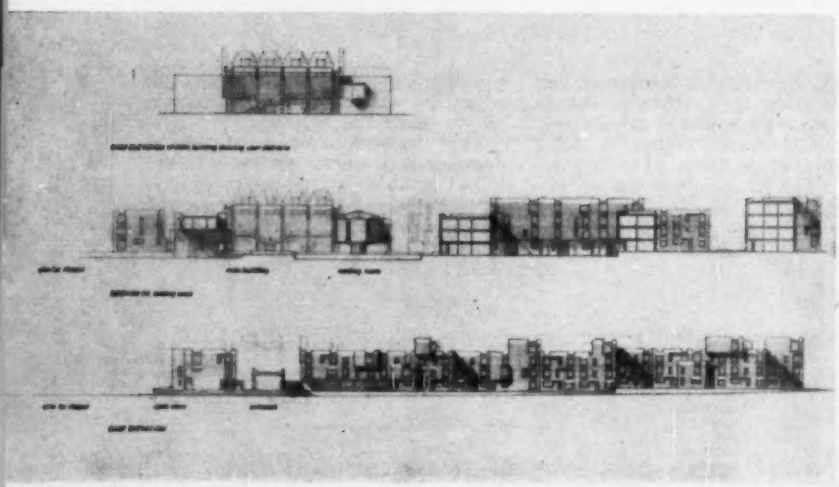
terms. Further, the site is far enough from the centre of Cambridge for a visual link to be important.

Whatever the present views on the extent of the college building programme, it is, perhaps, unlikely that they will still be held some generations ahead. It is deliberate, therefore, that the conception of the scheme is not so immaculate that further development would violate it; but it is also deliberate that the towers are placed in a straight line and equidistant so that the fluid arrangement of courts below them is pinned firmly and unequivocally to the ground.

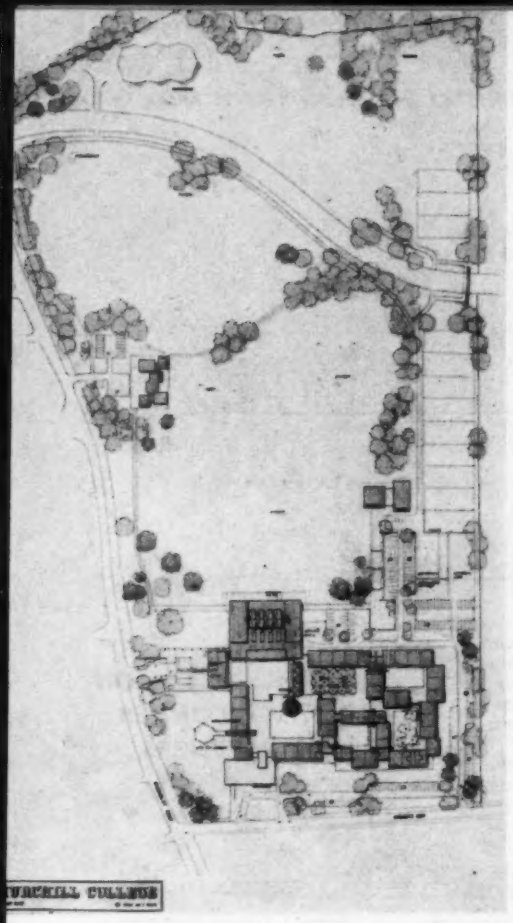
ARCHITECTS' CO-PARTNERSHIP

H. T. CADBURY-BROWN

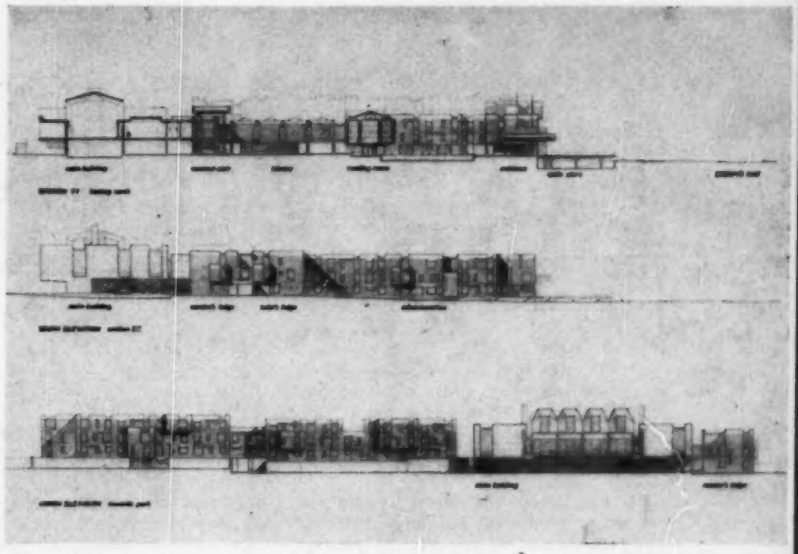
Elevations



OBJECTIVES in this design were: 1, To maintain the typical Cambridge or Oxford College environment of controlled pedestrian areas. 2. To plan for the most efficient running of the whole complex. To plan for economy of space within the living accommodation by the artificial lighting and ventilation of bathrooms, w.c.s and gymrooms. 3. To give the building such form that it creates a memorable image whether seen from the road or from within. 4. Fully to develop the site. A unique opportunity exists to make a landscape complimentary to the living accommodation. It is the development of this site which makes this college different from most other colleges. Earth shifting machinery can be used to sculpt the ground and form a controlled park as far as the hill to the west. 5. Within the group of buildings to give the oppor-



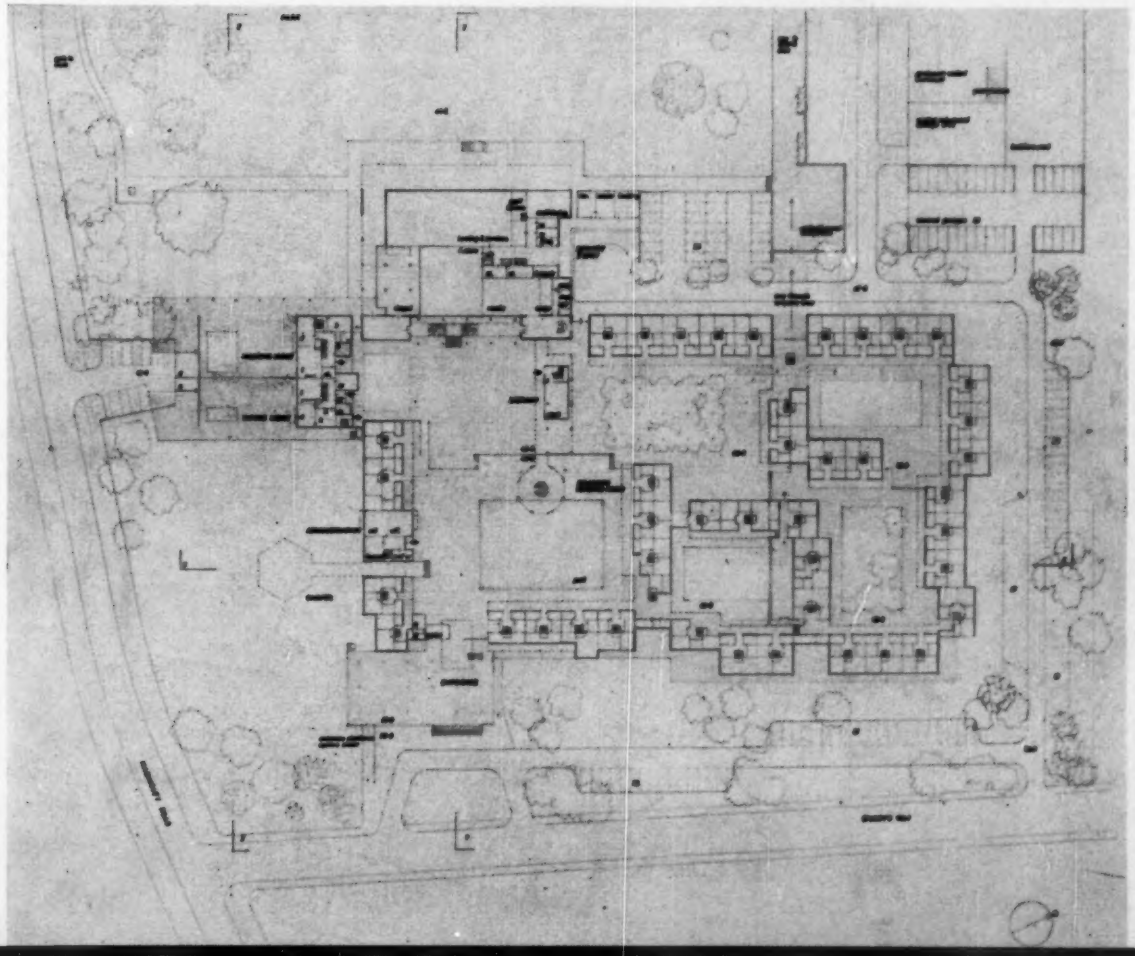
Site plan

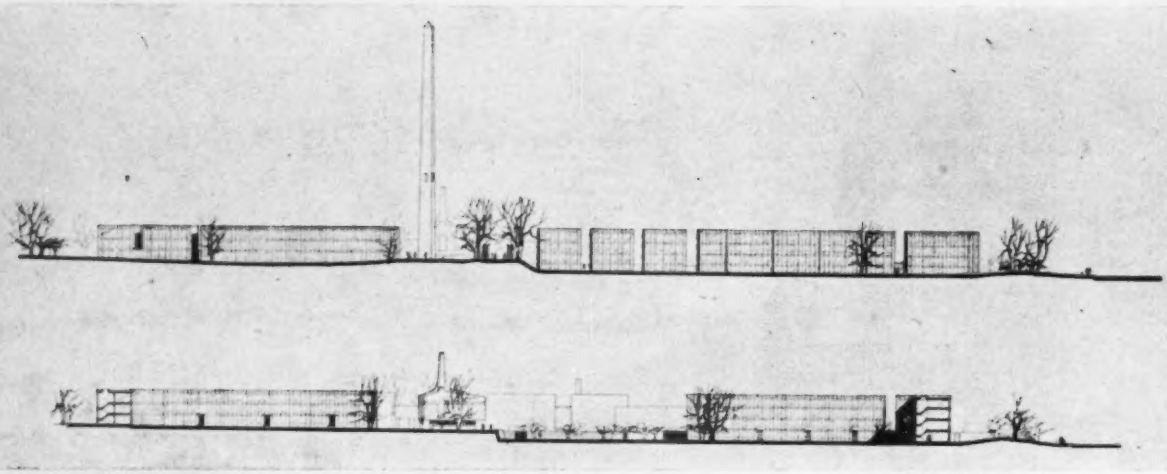


Elevations

tunity for variety in form and silhouette as well as in the size and shape of rooms and the direction from which light penetrates. 6. To consider the form and nature of the building by night as well as day. 7. To use materials for construction and finishes which establish a relationship with time and the users of the building.

Ground floor plan





Elevations

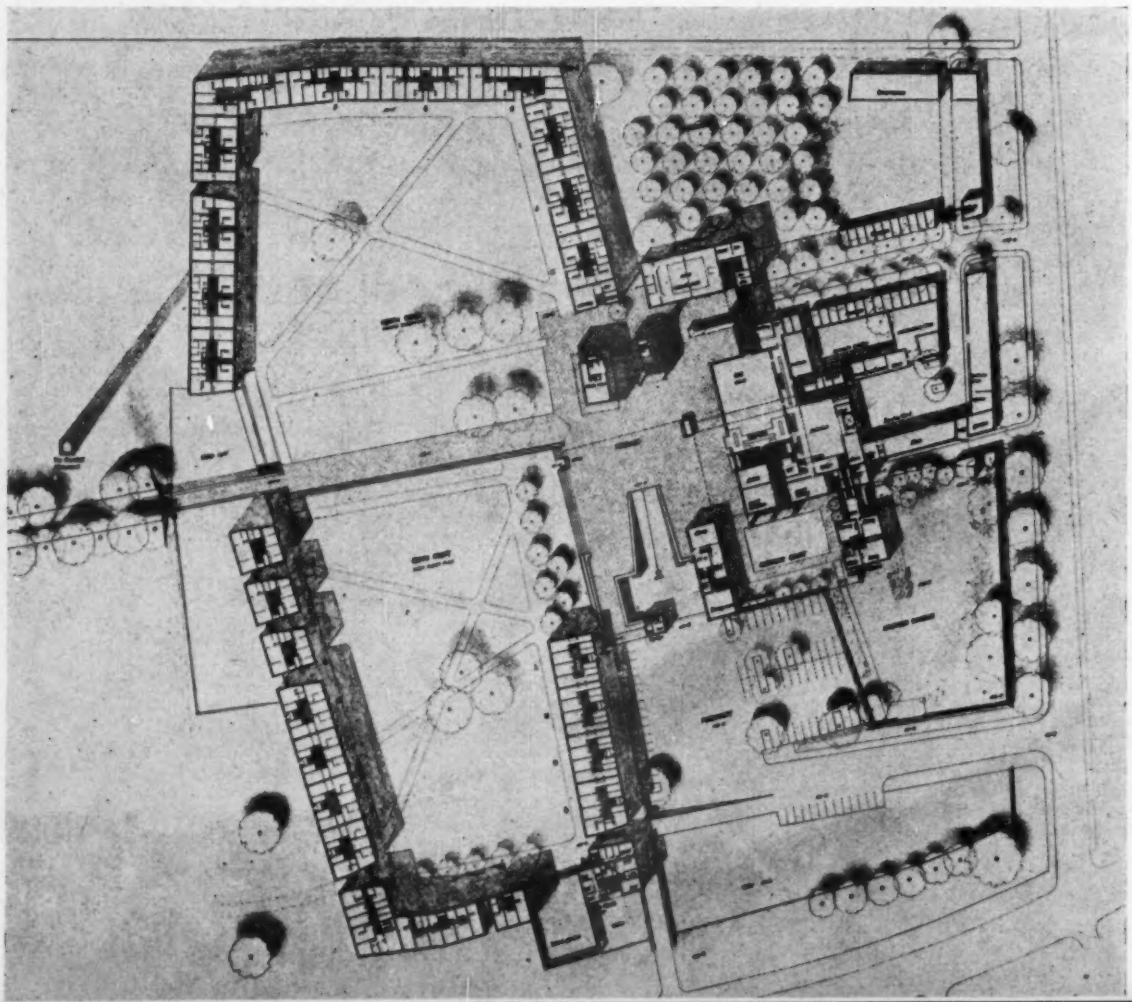
SIR HUGH CASSON NEVILLE CONDER AND PARTNERS

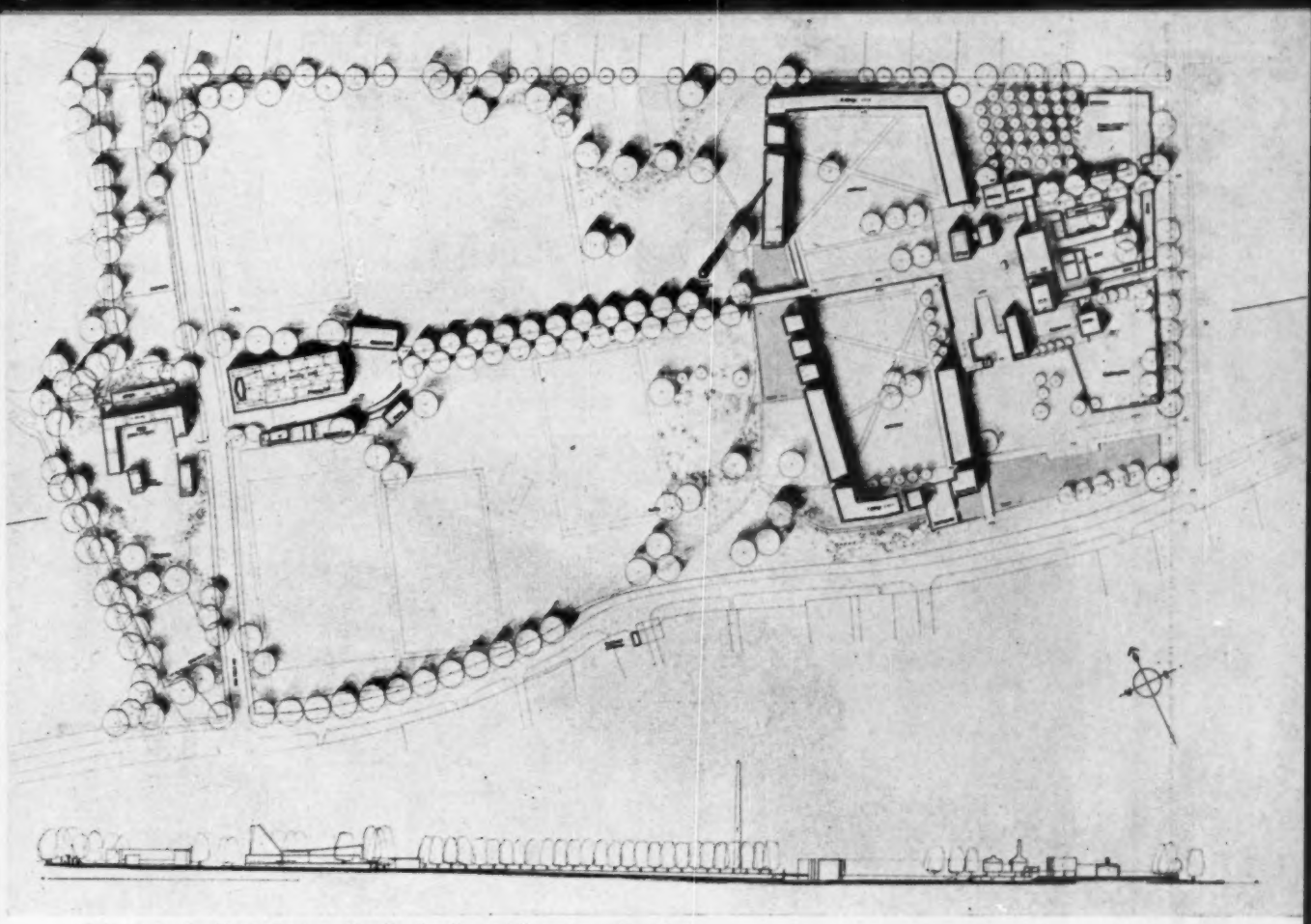
IN this design the site is treated not as a group of buildings huddled in one corner of an area of playing fields, but as a complete and coherent piece of landscape, developed to its fullest possibilities and to every boundary. As a result the college makes its presence felt in an area that is neither urban nor rural in character and is surrounded by small-scale development.

Point-blocks or high residential systems are avoided as being inappropriate. With a restriction in the height of the buildings to a maximum of four storeys, a vertical feature is incorporated which is visible from The Backs and signals the presence of the college on what is a comparitively outlying site.

Since the programme indicated that the social and communal buildings are likely to be less imposing and dominant than in the older colleges, these are placed together so that as a group they can dominate and contrast with the residential accommodation.

Below : ground floor plan



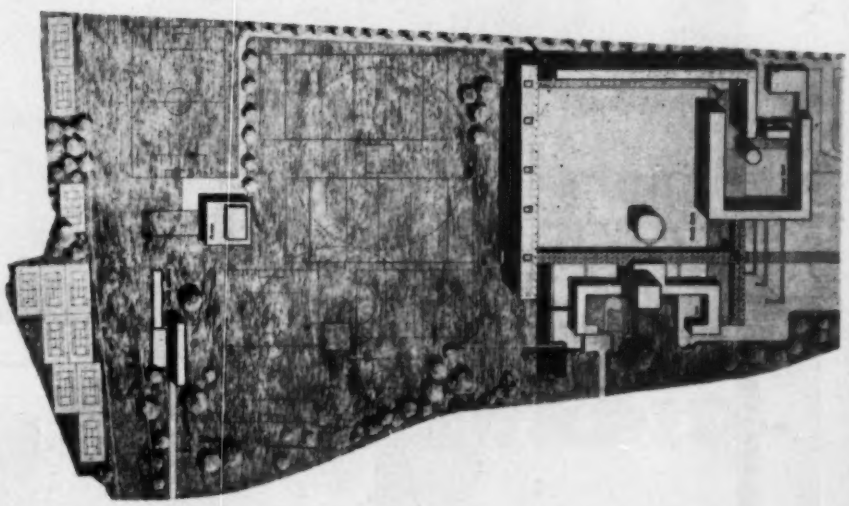


Scheme by Sir Hugh Casson, Neville Conder and Partners : Site plan

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JAMES CUBITT AND PARTNERS

There is a difference of 10ft in level between the north-west and south-east corners of the buildings. In order to counteract any feeling of being at the foot of a hill, the change in level has been concentrated near the entrance. *(See plans on page 88.)* *Below, site plan*



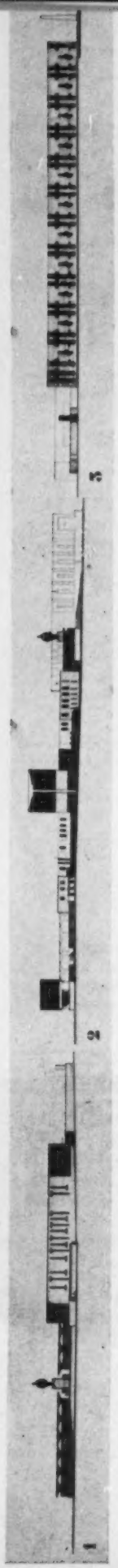
A QUALITY of serenity is aimed for in this design and it is intended to welcome rather than to exclude. South-east and south-west corners of the college are, therefore, kept open to views from the outside. The hall group is placed in Madingley Road for the same reason.

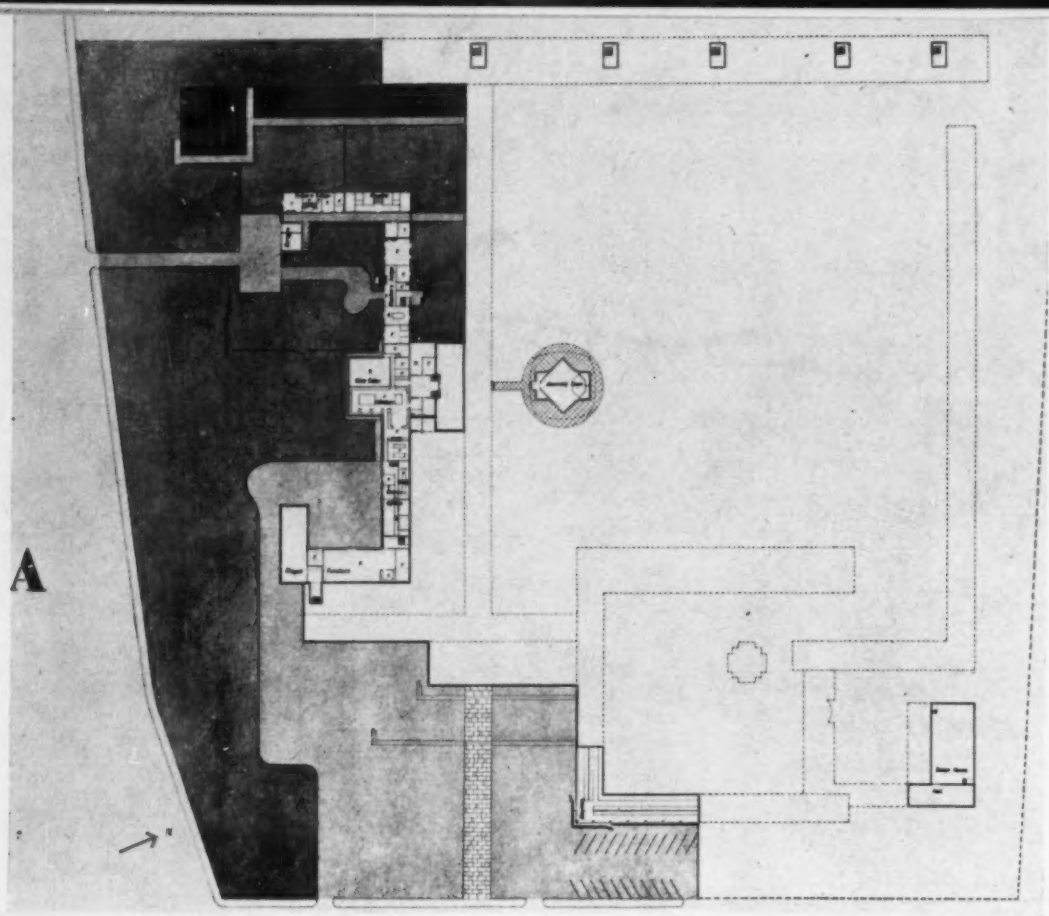
From the inside the diagonals are open and extended. By raising the west building of the Great Court on columns, the long, pleasant grass slope to the west is brought, so to speak, across the water and into the college.

The water has three purposes: to echo the Backs; to enclose the college from the west; and for ornament.

The elevations are considered to be a vital part of the architectural conception. Varying window spacing reflects the size and character of the different types of rooms.

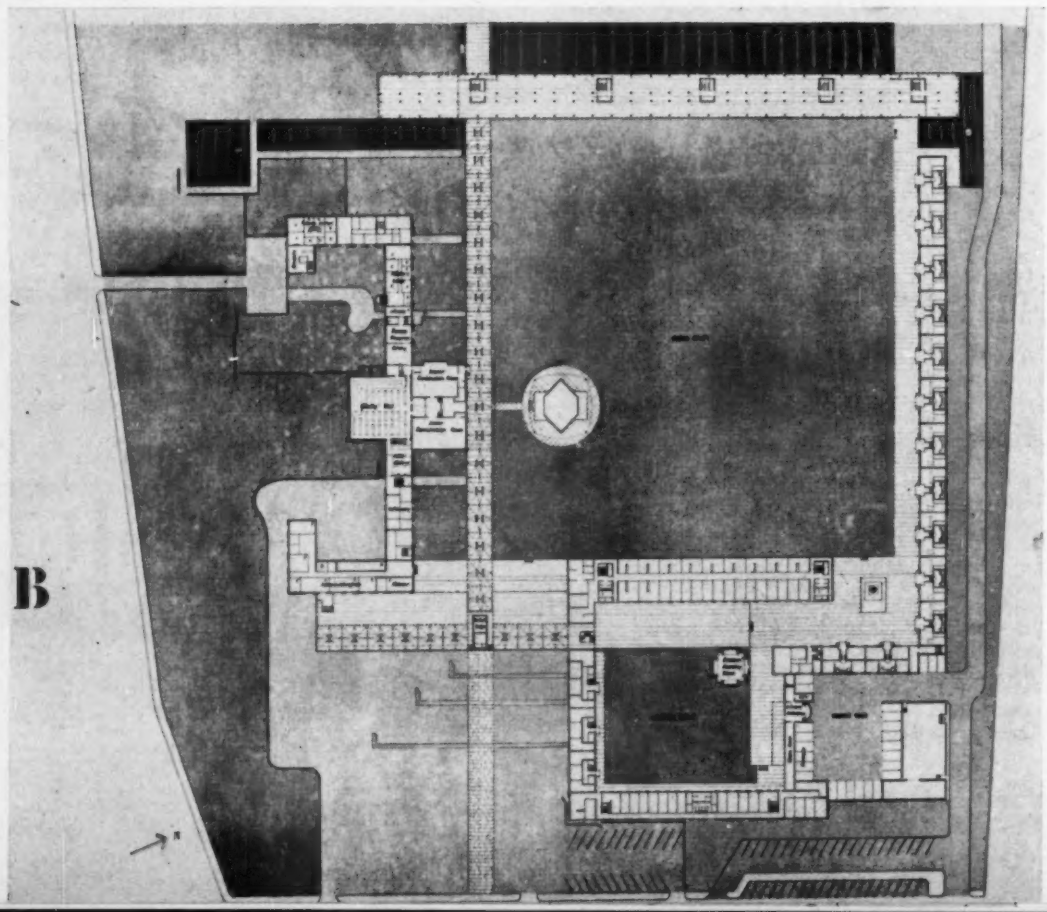
Looked at another way, these elevations are similar in principle to the sixteenth and seventeenth century conception of a "giant order", in this case going through three floors.





JAMES CUBITT AND PARTNERS

Above, plan at entrance level. Below, plan at level of the great court. Left, elevators. 1. South-east. 2. South-west. 3. North-east



RUBEROID REGISTERED TRADE MARK

CASE HISTORIES



New look for old Gibraltar

In vivid contrast to its traditionally Spanish surroundings the splendid new King George VI Memorial Hospital, with a Ruberdal Roof, now towers majestically above Gibraltar's ancient streets.

Gibraltar's new King George VI Memorial Hospital was designed by Architects Covell & Matthews of London who specified Ruberoid Built-up Roofing surfaced with Ruberdal Tiles.

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F

HOTCHKISS LATTICE CONSTRUCTION

SOUTHERN AUTOS, CANTERBURY
Architects: Robert Paine & Partners

The steel framework for the Southern Autos Garage, was designed, fabricated and erected by Hotchkiss Engineers Ltd., who are pleased to have assisted in the construction of this modern garage and showroom.

STEEL Catalogue L.G.11 will be sent on request giving full details of the 'Hotchkiss Lattice Construction' and illustrating its adaptability to all types of structural engineering.



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2. **Facings**
3. **Copings**
4. **Cills**
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SPECIFICATION

The roof to be covered with Broughton Moor Light Sea Green best quality (coarse grained) Westmorland Slates, to be obtained from The Broughton Moor Green Slate Quarries Ltd., Coniston, The Lake District, Lancs, in random sizes about 18" to 9" long, proportionate and random widths, laid to a 3" lap in regularly diminishing courses, from eaves to ridge. Each slate to be securely fixed by two stout copper nails and wide slates are to be used on the hips and verges.

Alternatives: Seconds, Thirds, Special Peggies: Olive Green and Mixed Shades. Larger sizes also available.

Ridging: "Bromoor" purpose-made of crushed and moulded slate from the same veins is recommended.

Rain, Frost, Heat or Time do not affect their weather-resisting qualities

Quarried from one of the richest slate-beds in the world, Broughton Moor Westmorland Green Slates possess a rock-hard texture which makes them particularly suitable for use in chemical-laden atmospheres. Of picturesquely rugged surface and available in a wide range of harmonious colourings—Light Sea Green, Olive Green and Mixed Shades—they are the perfect medium for the roofing of all classes of architecture, whether domestic, municipal, commercial or ecclesiastical, enhancing the appearance of even the plainest edifice. Samples and prices gladly supplied.

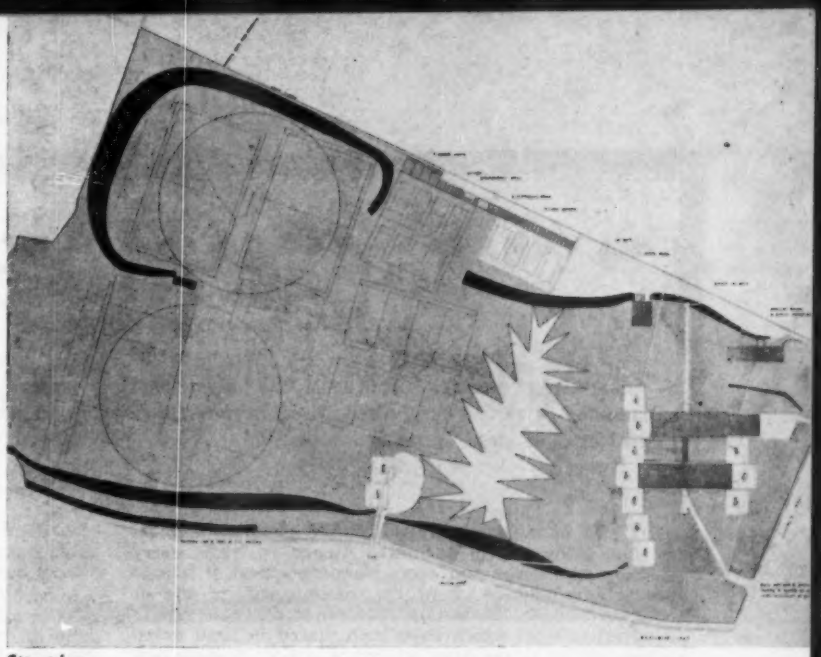
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Telephone: Coniston 225/6 Telegrams: Cann, Coniston

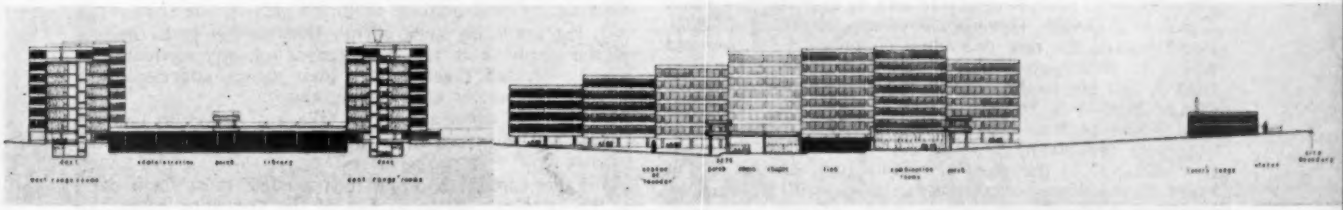
THE ARCHITECT and Building News,
26 August 1959

CHURCHILL College presents an opportunity for re-thinking the "traditional" college form. In this design certain traditional aspects have been retained. These are: 1. The college is recognisably "one community", and could not be confused with a hotel or a housing development. 2. The old idea of the staircase introducing a "family group" has been retained.

In view of the changing social situation, and the high proportion of post-graduates, the medieval "closed system" of building has been replaced by a system which is formally half open and half closed. Furthermore, the high proportion of science and technology students suggests that the college should have a more technological character than is customary with college buildings, and that the servicing and mechanisms be comparable with a good modern hotel.



Site plan

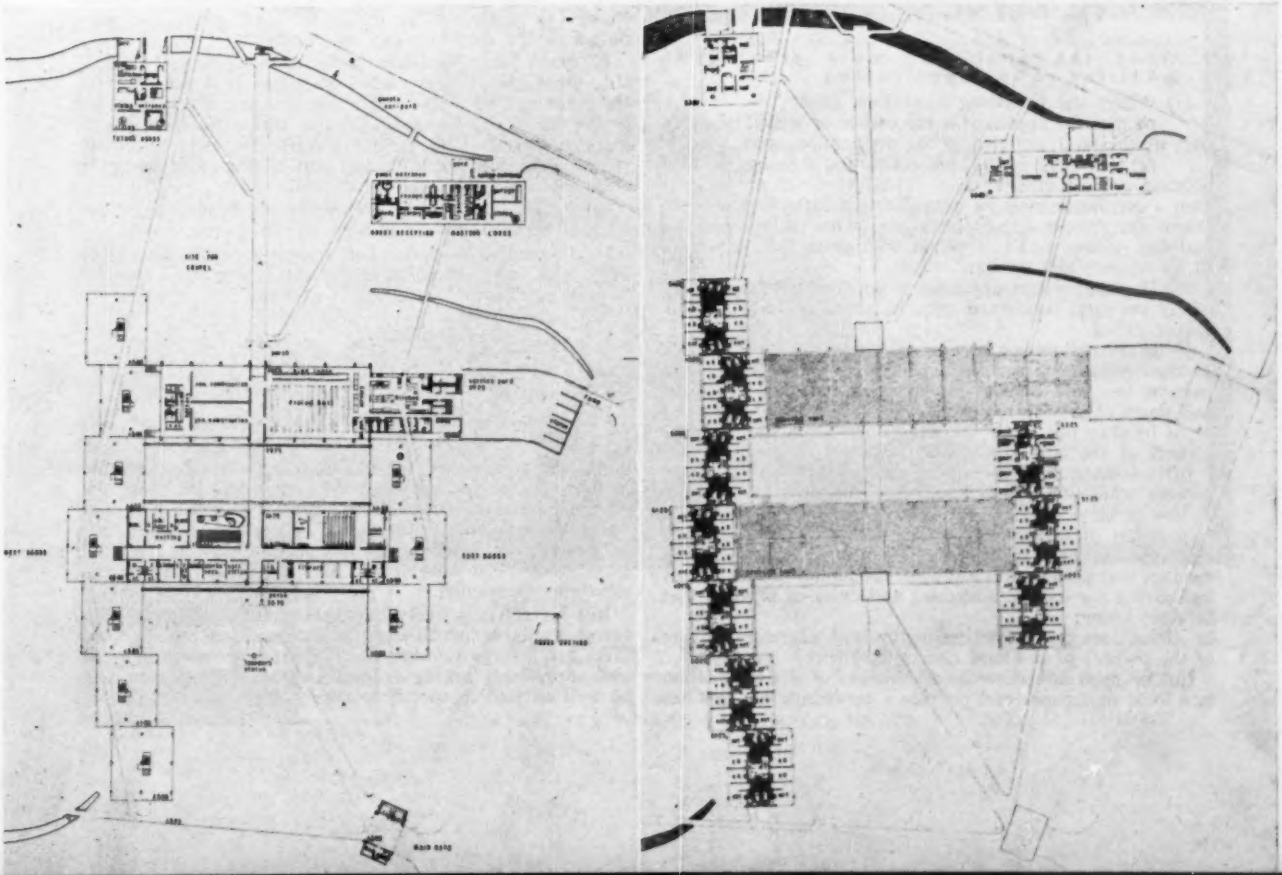


Elevations

ALISON AND PETER SMITHSON

Ground and first floor plans

It was the intention of the architect that the buildings should not be intimidating, and the stepping down to the south reduces the impact of the very large volume required for 500 students. This staggering suggests the stage-by-stage method of building and also the possibility of future growth



TOWN AND COUNTRY PLANNING ACT 1959—I

CHANGES IN PLANNING APPLICATIONS

By F. H. B. LAYFIELD

In future every planning application and every planning appeal must be accompanied by certain certificates. Every architect and builder is likely to be affected at some stage by the new procedure

THE day of a simple straightforward planning application is over. On and after August 16, 1959, *every* planning application and *every* planning appeal, if it is to receive consideration, must be accompanied by one or more certificates. In certain cases these certificates refer to advertisements which have been placed in local newspapers and/or to the prior service of notices. These new requirements are created by the *Town and Country Planning Act, 1959*, Sections 36 and 37 and the *Town and Country Planning General Developments Order, 1959*. Each stage in the new procedure is considered below and where the abbreviation G.D.O. occurs it refers to the 1959 G.D.O. and not to the other G.D.O. still in force, namely that of 1950.

It should be emphasized, at the start, that the need or otherwise for planning permission is not altered by the new Act. If in the past, permission was not needed in order to do a particular thing, then it will still not be needed. If, on the other hand, such activity did require planning permission in the past then it will still need permission. The difference is that now, when an application is made to the county district or county borough council, the following arrangements will be additional to those operating hitherto.

◆ ◆ ◆

1. What the applicant must provide in addition to the application

(a) Where the following conditions exist

(i) that the applicant is the owner or tenant of every part of the land included in the application, and

(ii) that none of the land concerned is an agricultural holding or part of one;

then a certificate must be provided that these facts are so. *Owner* for these purposes means the owner of the freehold, and any person who is a tenant with more than ten years of his tenancy still to run.

(b) If, however, the applicant is *not* the owner or tenant of *all* the land concerned then he must do one of three things, either

(i) he must provide a certificate that he has served notice of the application on *everyone* who is an owner of any part of the land concerned, giving the names, addresses and dates of service for each;

or, if he does not know the names and addresses of *some* owners of the land concerned then

(ii) he must serve notice of the application on those owners whose names and addresses he does know, and, in lieu of service on the remainder, he must advertise the submission of the application in a local newspaper, and the certificate he provides must state these facts, including the fact that he does not know all the names and addresses and giving the names, addresses and dates of services that he does know;

or, if he does not know the names and addresses of *any* of the owners of the land concerned then

(iii) he must advertise the submission of the application in a local newspaper and provide a certificate that this has been done and include in the certificate a statement that he does not know the names and addresses of any of the owners concerned.

In each of these three cases just mentioned, the applicant must *in addition* include in the certificate a statement that none of the land in question is, or forms part of, an agricultural holding.

(c) If, however, the application *does* relate to land which is an agricultural holding or forms part of one then

(i) the applicant must certify that he has given notice of the application to *every* tenant of any agricultural holding affected, together with their names, addresses and dates of service for each tenant, and

(ii) there is no provision to take any action in lieu of service in this instance, so the tenancies must, in fact, be ascertained;

(iii) this certificate, when it is needed, must form part of the certificate given in any of the preceding cases.

(d) Where the application is to build or use land for any of the following special classes, namely: a public convenience; the disposal of waste or refuse; sewage dosposal; a slaughter house; a knacker's yard; a theatre; cinema; music hall; dancehall; skating rink; swimming bath; Turkish or similar baths; or indoor games:

then the applicant must

(i) advertise the application in a local newspaper stating where the plans and all documents that are to be submitted to the authority can be inspected;

(ii) make the plans available for inspection at all reasonable times for 21 days after advertisement is published at the place named in the advertisement and which must be in the locality concerned. Clearly this will often be the local authorities' offices and though the local authority is not obliged to agree to this course it may often be in everyone's interest that they should;

(iii) certify that the advertisement has been inserted on a stated date, enclosing a copy of the notice;

(iv) submit the application with the certificate *within* 21 days of the publication of the advertisement.

◆ ◆ ◆

2. The form of the Certificates, Notices and Advertisements

All the notices of submission of an application, the certificates to be provided by an applicant and the advertisements to be published must be in the form set out in the schedules to the G.D.O. It is not necessary that notices or certificates must actually be written on a printed form; they need only follow the pattern set out in the schedules mentioned.

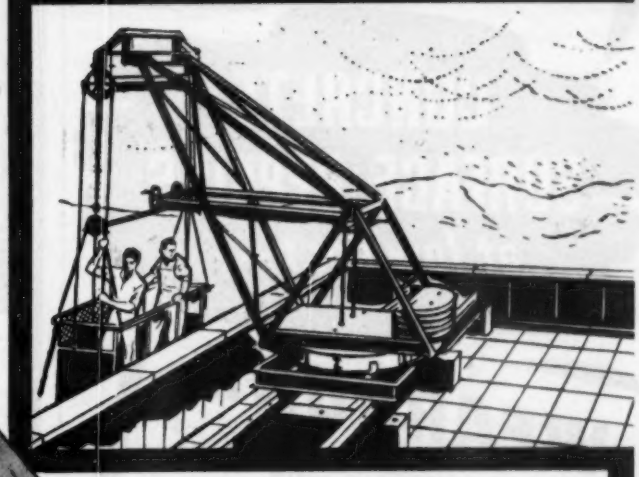
But in fact it is likely that most local authorities have forms available which can be obtained on request. As there are a large number of different combinations available, applicants asking a local authority for copies may be well advised to specify precisely what they want.

Continued on page 91

On top of the job

at Leeds Technical College

There is no window cleaning problem at the Leeds Technical College or, in fact, any modern air conditioned building where KING equipment like this is used. A permanent installation (it swings out of sight when not in use) the KING'S unit can serve all sides of a building. Traverse movement is controlled from the cradle in the uppermost position, raising and lowering is controlled from the cradle at any position.



With acknowledgements to the Leeds Education Committee.

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EFFICIENT	high degree of thermal efficiency.
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and stocked by leading builders' merchants throughout the country

BMCT-D

Changes in Planning Applications

Continued from page 90

3. To whom the Certificates are to be addressed

Certificates and copies of advertisements, which the Act requires to be provided, should *accompany* the application. It is not clear whether the Act means that the necessary documents must be attached to the application when it is made or merely that the documents must be with the application by the time the authority comes to consider it. Until this is clarified applicants cannot go wrong if they assume that all the necessary documents should be attached to the application when it is submitted to the authority. The question then arises to whom should the documents be submitted?

All the documents should be treated as a normal planning application as treated now, namely, submitted to the relevant county district council or county borough council. If the application is called-in by the Minister then the documents should be sent to the Minister. Similarly, when local authorities are themselves applying for planning permission, in cases where they require it, then the same rules apply and the resultant documents should be sent to the Minister.

The question of procedure on appeal is considered below.

4. Penalties

Penalties are provided in the Act for the false or reckless issue of any certificate relating to owners or agricultural tenants or of certificates about the publication of advertisements in lieu thereof. Anyone who issues such a certificate which contains a statement that he knows to be false or misleading in a material particular is liable, on conviction, to a fine of up to £50.

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5. Interested Persons

In the 21 days which follow the publication of an advertisement or the receipt of notice of submission of an application:

(a) *Any* interested party where the advertisement is a general one (i.e., about the special classes of development);

(b) any owner who has received a notice or read an advertisement addressed to owners; or

(c) any agricultural tenant who receives a notice may make representations to the council named in the notice or advertisement. These representations do not have to be either on, or in, any particular form, but it is suggested that they should:

(i) Identify the development concerned, usually by literal reference to the heading of the notice or advertisement;

(ii) state the name, address and interest of the writer, i.e., owner of land concerned, agricultural tenant, adjoining owner, secretary of preservation society, etc. As the local authority must notify the result of the application to any person making representations *who satisfies them* that he is an owner or agricultural tenant of land affected, it may well be wise to send the representations through a solicitor;

(iii) describe the location of the writer's property wherever this is relevant and this may best be done by means of a marked map or plan;

(iv) set out concisely and clearly the nature and grounds of the representations.

It will be observed that the Act refers to representations and not to objections, thus clearly envisaging that representations may be made that are in support of any proposal as well as those that are against it.

6. Functions of the authority

Who is to deal with an application, as distinct from who receives it, will be decided, in future as in the past, by the present delegation agreements. If an application is of a kind which should be dealt with by the local authority then it will continue to be so, otherwise it will be dealt with by the local planning authority (in county boroughs, of course, these two are the same) or by the Minister where the application is called-in or is an application, in certain instances, by a local authority itself.

In all cases the authority who must decide the application will be bound by the following rules:

(a) the authority may *not entertain* the application in any case until it is satisfied that it is accompanied by the appropriate documents as set out above. In future *every* application must be accompanied by at least one certificate;

(b) When free to entertain the application if the authority is satisfied that

(i) the applicant is the owner or tenant of all the land concerned; and

(ii) no agricultural tenancy is affected; and

(iii) the development is not within the special classes mentioned above;

then they may proceed without delay to determine the application.

(c) In all other cases they must *not determine* the application until 21 days have elapsed since either the service of the last notice, or the publication of an advertisement, or whichever of these is the later.

(d) When the authority are free to determine the application

(i) if the development concerned is within the special classes they *shall take into account any representations received* by them *in time* i.e., reaching them within 21 days of publication of the advertisement;

(ii) in every other case the authority are only obliged to take into account representations received *in time* from persons who satisfy the authority that they are either owners or agricultural tenants of the land concerned. "In time", in this instance means within 21 days of the latest service of a notice or publication of an advertisement.

(e) Whenever the authority are under an obligation to take into account representations then they are under a corresponding obligation to *give notice of their decision* to every person who makes such a representation.

Local authorities should note, however, that the two months period from receipt of an application in which they are expected to give notice of their decision (as laid down in Article 5 (8) of the 1950 G.D.O.) has *not* been changed by the present Act or G.D.O.

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7. Procedure on appeal

If planning permission has been refused and the applicant decides to appeal he is obliged to follow substantially the same procedure as that for making the initial application. Upon appeal the applicant must

(a) Provide the same certificates, this time addressed to the Minister, as before namely certifying that the appellant

(i) is the owner or tenant of all the appeal land and that there are no agricultural tenancies; or

(ii) if he is not owner or tenant of all the appeal land that he has served notice of the appeal on all the owners, stating their names and addresses and the date of service of the notice on each; or

(iii) if, not being the owner or tenant of all the appeal land and not knowing the names and addresses of *all* the owners, that he has served notice of the appeal on those he does know, and give their names and addresses and the date of service of the notice on each and stating that he does not know the names and addresses of the remainder; *and*

Changes In Planning Applications

(iv) that he has advertised the appeal in a local newspaper *not more* than 21 days before the actual submission of the appeal.

(v) If, once again not being the owner and tenant of all the appeal land, he does not know the names and addresses of *any* of the owners stating that fact and that he has advertised the appeal as just mentioned above.

(b) If, however, there are agricultural tenancies the appellant must add to the appropriate certificate a further statement that he has served notice of appeal on every tenant of any agricultural holding directly affected by the appeal, giving the names and addresses of each tenant and the date of service on each.

(c) These notices, certificates and advertisements must follow the prescribed form as set out in the Schedules to the G.D.O. Penalties for false or misleading statements are the same as in the case of applications.

(d) The Minister shall *not entertain* the appeal unless he is satisfied that it is accompanied by the necessary documents. It should be noted carefully by potential appellants and their advisers that the period of time in which an appeal against a refusal can be lodged has *not* been changed; it is still 28 days from the date of refusal. This new procedure may well make the submission of an appeal a difficult matter. In 28 days, apart from making the decision to appeal on reading the terms of the refusal, all the necessary notices must be served, the advertisement inserted (and it must be remembered the appeal has to be made, i.e., submitted, *within* 21 days of that publication), the certificates made out, the grounds of appeal drafted and the whole batch of documents sent to the Ministry. There will be so much to do in 28 days in many cases that the way in which the Ministry interpret the word *accompany* may be of great importance to appellants.

(c) Owners and agricultural tenants have 21 days after receipt by them of a notice of appeal or the publication of an advertisement in which to make representations to the Minister. These representations, like those on an application, may be in support of the appeal as well as in opposition to it. The Minister, like the local authorities, is bound to take account of these representations if they are made in time and if their makers satisfy him that they are owners or agricultural tenants of land involved.

(d) The Minister shall *not determine* the appeal until 21 days after the service of the last notice or of publication of the advertisement whichever is the later. Whenever after the end of that period he does determine the appeal he must give notice of his decision to all those whose representations he was obliged to take into account.

◆ ◆ ◆

8. Enforcement Notices

When a local planning authority serves an enforcement notice on an owner or occupier of property, Section 23 of the 1947 Act provides that the recipient may make application for planning permission to retain the allegedly contravening development. Such an application must be made within 28 days of the service of the notice and the same procedure, with regard to notices, advertisements and certificates, applies to such applications as to any normal application. Here, as with appeals, applicants are in many instances going to have to move very quickly.

9. Application of the new Rules

The rules set out above are now effective. They apply to England and Wales in the form described above. They also apply to Scotland with two minor changes in the definitions employed. Wherever in the Act as it applies to England and Wales a certificate should state that the applicant is the owner or tenant of every part of the land involved then in Scotland the certificate should show that in respect of *every part* of the land the applicant is the proprietor of the *dominium utile* or is the lessee thereof.

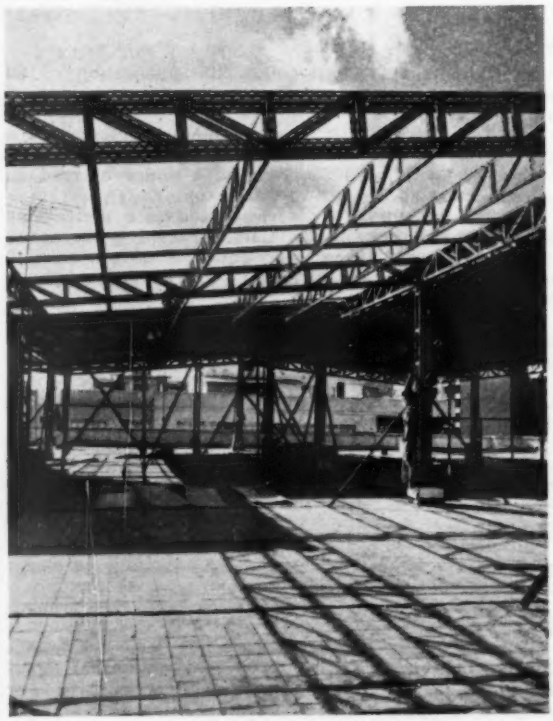
Further in its application to Scotland *owner* is defined as any person who under the *Land Clauses Acts* would be able to sell or convey the land to the promoters of an undertaking and any lessee with more than ten years of his lease to run.

10. Conclusion

The new rules will undoubtedly discourage the making of planning applications by persons other than owners or long-term tenants of land, as was probably intended. Over an extremely limited range of development the local public will be better informed about applications presently under consideration. Local planning authorities are likely thereby to find the number of applications made to them somewhat reduced, though by a problematical percentage. Their task in considering many applications may also be lightened.

On the other hand, at least tens of thousands of new documents must pass through their hands and there is likely to be much argument and confusion over the new rules. They are most definitely not well-drafted, they are not easy to follow and will vastly increase the clerical and administrative effort needed by all authorities and by the Ministry as well as by developers. It seems a safe prophecy that the new rules will slow down planning machinery; what remains to be seen is whether the improvements they create are worth the price that is likely to be paid.

A large span temporary structure for housing stores and workshop, on the roof of the General Electric building in Caracas, Venezuela. Structural members are built up from Dexion slotted angle, with corrugated galvanized steel cladding. The picture shows the main bay which is 54ft wide by 134ft long





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Industrial Notes

● John Laing & Son Ltd. have formed two new companies known as Ground Engineering Ltd. and McKinney Foundations Ltd. Ground Engineering will occupy research buildings at Manor Way, Boreham Wood, Herts, and will be primarily concerned with research and investigation into ground conditions as a preliminary to all classes of development. The company will gather the diversified specialist resources of the Laing group into a single unit, especially their present soil mechanics' services, and will provide a comprehensive research service. The other new company, McKinney Foundations Ltd., has been established in association with an experienced American organization for the design and construction of bored pile and caisson foundations for multi-storey buildings, docks and harbours, and other heavy civil engineering works.

● Commander Douglas Marshall, M.P. for Bodmin, has been appointed to the board of The Unit Construction Co. Ltd., building and civil engineering contractors, of Feltham, Middlesex.

● In order to lighten his duties, Mr. John M. Wallace has relinquished the chairmanship of Blaw Knox Ltd., but retains his seat on the board. His successor as chairman is the Hon. Alexander Hood.

● Steel formwork for use on the Kyle dam has been designed by Rapid Metal Developments Ltd., and is being manufactured and supplied through their South African and Rhodesian agents, Mills Scaffold (Pty.) Ltd., of Maraisburg, Transvaal. The formwork consists of the main cantilever forms for the transverse, upstream and downstream dam faces, the latter shutter sections being of revolutionary design incorporating variable curvature-face panels. The main contractors for the scheme are Sir Alfred McAlpine & Son (Rhod.) (Pvt.) Ltd. in association with Concor Construction (Pty.) Ltd.

● A joint service committee of the Coal Utilisation Council has been formed to cover Galloway, Wigtownshire and the western part of Kirkcudbrightshire. The chairman is Mr. A. Chalmers and the other members are Messrs. F. Shaw, L. Campbell (secretary), G. McSkimming and J. Hope.

● John Laing & Son Ltd. recently completed an extension to the Carlisle warehouse of Morton Sundour Fabrics Ltd. The floor area of the new building is about 4,300 sq ft, and the additional storage space provided amounts to 50,000 cu ft. The building is of the single span type and the electrical heating, consisting of radiant panels in the roof, is thermostatically controlled. Architect: George W. Danson, F.I.A.A.

● Peerless & Ericsson Ltd., manufacturers of food-mixing equipment for large-scale catering concerns, have recently re-equipped their Holbrooks Foundry with modern equipment. The new plant consists of a new cupola, a shot-blast plant, a sand drier and sand mixer, and a CO_2 gas process used in setting the moulds. A non-ferrous shop is to be installed in the near future. Mr. A. N. Stoddart has been appointed foundry manager.

● Europe's first International Caravan Exhibition is to be staged at Earls Court, London, from September 23 to October 3, 1959. The exhibition is under the patronage of H.R.H. The Duke of Edinburgh and is being organized by the *News Chronicle* and the National Caravan Council. Nearly 200 exhibitors will be displaying their products and all available space has been taken. The exhibition will be open every day, except Sunday, from 10.30 a.m. until 9.30 p.m. Admission: Adults 2s 6d, children 1s 6d.

● The first International Compressed Air and Hydraulics Exhibition, sponsored by the journal *Compressed Air and Hydraulics*, is to be held at the Empire Hall, Olympia, London, from April 25 to 29, 1960. This exhibition has absorbed the Pneumatics and Hydraulics for Industry Exhibition, which was to have been held in October at Alexandra Palace, but has now been cancelled.

● The Cape Asbestos Co. Ltd. show a net profit, after deducting taxation for the year ended December 31, 1958, of £754,266, compared with the previous year's figure of £716,572. A final dividend of 12½ per cent on the ordinary shares has been approved, making a total distribution of 17½ per cent for the year.

This studio has been fitted for sound recording by Halas & Batchelor Cartoon Films Ltd. Bowater Thermal/Acoustic panels have been used on the ceiling and two walls. The room is used for the recording of electronic-type sound effects and music. Voices and commentaries are recorded in another small room behind the camera



CORRECTIONS

Architects for the new science building at the University of Malaya, illustrated on page 577 of our Overseas issue of May 6, 1959, were Easton & Robertson in association with Palmer & Turner.

The Catholic Church at Llanrwst, illustrated on page 751 of A. & B. News, June 10, 1959, was designed by S. Powell Bowen and not as stated. The architect for the puppet theatre shown on pages 761 and 771 of the same issue was G. Parry Davies of G. Parry Davies & S. Powell Bowen.

The following additions and corrections should be made to the sub-contractors list for the new Arts Building, Exeter University, on page 830 of A. & B. News, June 24, 1959: Sussex facing bricks: Henry J. Greenham (1929) Ltd.; Vinyl floors: Holmsund Flooring Ltd.; Slatework: North Wales Slate Co.

In Architecture at the Royal Academy II, which appeared in our issue of May 13, 1959, the caption for the illustration, bottom left of page 615, should read: St. John's Church, Westminster: restoration Architect and Artist: Stanley J. Clapham.

NEW PRODUCTS

In this feature are reviewed new lines introduced to the building industry for the first time and additions or improvements to existing ones. Any advantages claimed for a product are from information supplied by the manufacturer

New Formica Board

The latest Formica product is Beautyboard, a combination of plastic decorative surface, a specially constructed laminated wood core and a plastic counter veneer. Beautyboard offers the entire standard range of Formica colours and patterns in a bonded, composite board. It should be of special interest to the building and furniture trades. Claims on behalf of the new board are that it is stable, has exceptional qualities of surface flatness, is easily machined, has good impact resistance, and a very low density core. The board is stated to be particularly suitable for large area usage, such as wall surfaces. It may be edged with standard Formica veneer, but because of the ease with which it can be machined, timber trims can be introduced which mask the ply edge and provide a fixing. This avoids the bad practice of screwing into the edge of the ply and also permits extremely tight and almost invisible butt joining. Beautyboard is produced in sheets ¼in thick and measuring 9ft by 4ft and 8ft by 4ft, with respective approximate weights of 68 and 60lb. The boards have a matt finish.

Formica Ltd., De la Rue House, 84/86 Regent Street, London, W.1. Regent 2901.

Readers' Information Service, Ref. A. Date 26/8/59.

★

Plastics Building Material (B)

This manufacturer recently staged an exhibition in London of products for the building industry made from plastics material supplied by British Resin Products Ltd. Full technical co-operation has been established between the two companies and the entire production of G. H. Osborn Building Products Ltd. has been geared to meet the most detailed requirements of both architects and builders. Rainwater goods, (B1), including guttering, downpipes, brackets, sockets and other accessories under the trade name of Osma, formed part of the display. The downpipes are extruded in the new high impact rigid PVC, Geon RA.170 and the guttering and small components are moulded in Cellobond polyester resin and glass fibre. Gutterbolts are not necessary when fixing, since the guttering is simply snapped into a bracket which has a moulded-in clip joint and a butyl rubber strip provides a watertight seal. The rainwater goods are corrosion proof, moss cannot form on them and they are resistant to fungal and bacteriological attack. The standard 6ft lengths of guttering and 12ft lengths of downpiping can be sawn by hacksaw and are produced in black, grey, yellow, green and blue. Also on show were polyester/glass moulds for pre-cast concrete kerbs and for formwork (B3), a flooring tile made up of selected pieces of timber laid with end-grains exposed and bonded together with polyester resin; curtain walling panels of polyester/glass; and suspended ceilings and artificial stone cladding also in polyester/glass. Finally, an entire casement and frame (B2), made from polyester/glass, which originated in Germany, was introduced to the British market. The window consists of moulded hollow sections which provide both rigidity and lightness in weight. They can be moulded to any specification without serious increases in cost and will presumably eventually be supplied in any colour.

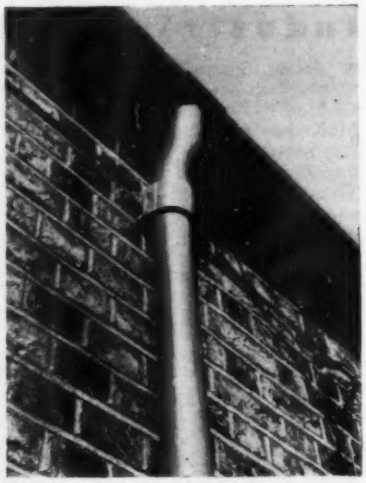
G. H. Osborn Building Products Ltd., 4 Dollis Park, Finchley, N.3. Finchley 7801.

Readers' Information Service, Ref. B. Date 26/8/59.

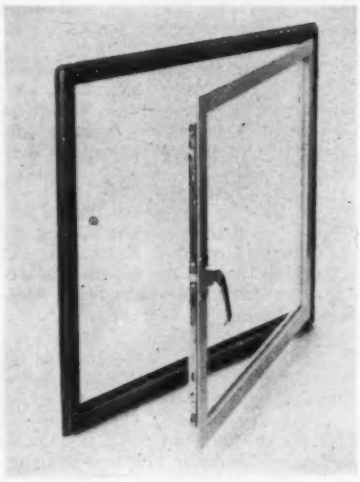
★

Concrete Workability Aid

Conflo is a new type of additive for concrete which imparts improved workability by bringing about better wetting and dispersion of the various ingredients in the mix. It is not an air entraining agent and the amount of air in the mix is no more than the normal nominal 1 per cent present in almost all mixes. It is claimed that the addition of Conflo reduces the water/cement ratio and produces a higher strength of concrete. This reduction is stated to vary between 10 and 15 per cent. Other effects achieved by the use of the new plasticizer are: (1) if an increased strength is not required, the cement content of the mix may be reduced by between 10 and 15 per cent; (2) if an increased strength or saving of cement is not required, an easier working mix with better placing can be obtained; (3) pumping of concrete is more easily achieved; and (4) less segregation, bleeding and formation of laitence results from its use. Conflo is a brown liquid used in the proportion of ¼ pint to 1cwt of cement mixed preferably with the gauging water. If mixed in the gauging water, one pint is normally sufficient for 20 gal of water, using a water/cement ratio of 0·5. Mixing should be carried out as is normally the case, there is no maximum and no minimum required. Over-mixing does not produce any adverse effects. Neither beneficial effects nor permanent ill-effects result from over dosage, but it does increase the initial setting time. Laboratory tests carried out on a 1:2:4 mix, with ¼ pint Conflo added to 1cwt cement,



B (1)



B (2)



B (3)

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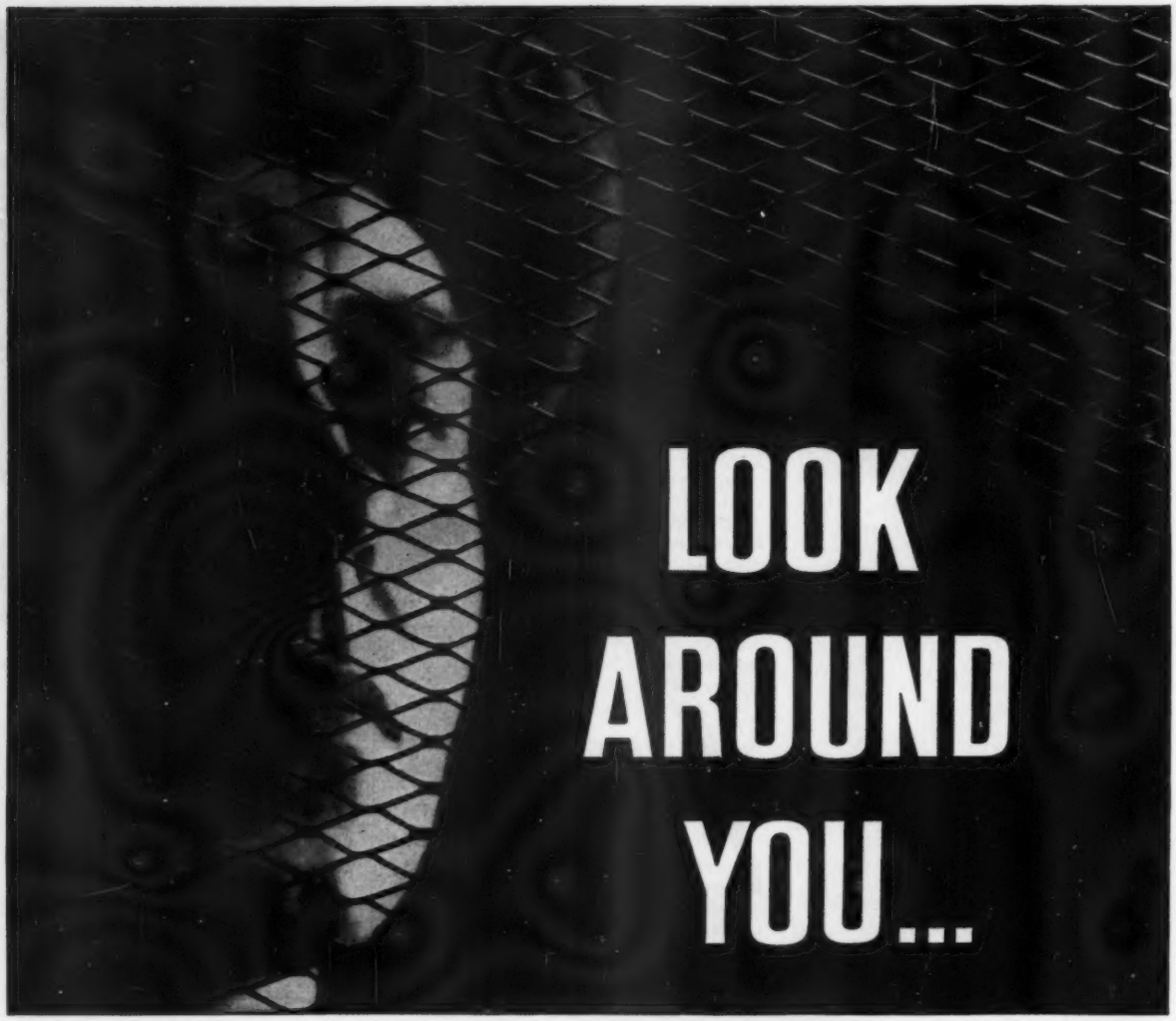


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NEW PRODUCTS (continued)

have shown that in seven days the compressive strength is increased by 24 per cent. Conflo, it is stated, can be safely used in conjunction with Cementone numbers 1, 2 and 8 and also with Rendabond.

*Joseph Freeman Sons & Co. Ltd., Cementone Works, London, S.W.*18. *Vandyke* 2432.

Readers' Information Service, Ref. C. Date 26/8/59.

★

Foundation Drilling Equipment (D)

A new method of constructing foundations for large buildings, bridges and other structures calling for heavily loaded foundations was recently demonstrated at a construction site in Central London. Shafts of up to 80ft in depth can be drilled in clay or granular media and a belled out base can be provided if required. A conventional mobile excavator is used as the prime mover or power source. A boom is attached to the excavator, and this supports an auger which draws the earth from the ground in the same way as a cork is drawn from a bottle. The auger bits are made in a variety of sizes, and it is claimed that foundations can be created in a few hours which are capable of carrying loads of up to 2,000 tons. In cases where the concrete foundation is to be particularly heavy loaded, the base can be expanded to more than twice the diameter of the shaft by replacing the auger with a belling tool. Speeds of more than 20ft/hr can be achieved by the machine when sinking shafts in clay. If the initial drilling is carried out in granular materials to enable the shaft to be terminated in underlying clay soil, linings can be inserted to a depth of 25ft in the smaller diameter shafts. Advantages claimed for the employment of an excavator as the prime mover are: (1) That it enables the drilling equipment to be operated on sites where ground conditions make movement difficult; (2) by providing both mobility and stability, the augers and belling tools can be swung clear of the shafts for emptying; (3) Interchangeability of base machine is possible. The company provides a complete service from initial advice on foundation problems through complete designs to the actual execution of the work.

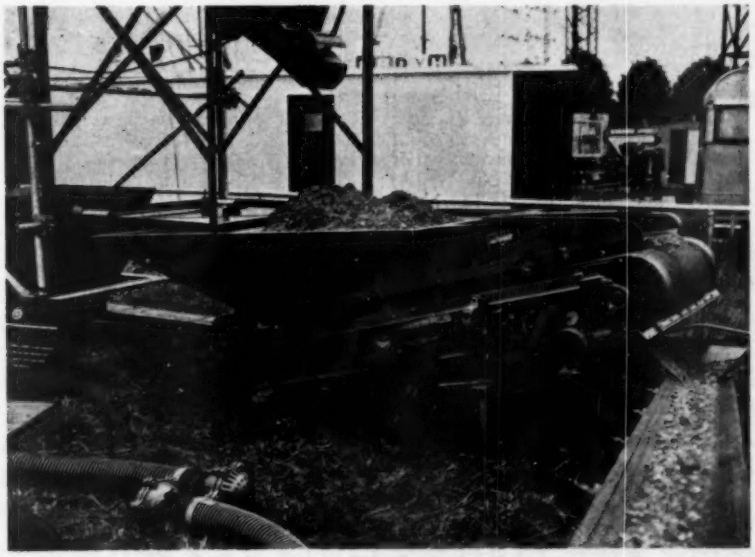
Economic Foundations Ltd., Dawley Road, Hayes, Middlesex.

Readers' Information Service, Ref. D. Date 26/8/59.

★

Aggregate/Concrete Handling (E)

A completely integrated portable conveyor system for the handling of aggregate or concrete, the Fulflo has been introduced which combines the functions of a 1¼ cu yd temporary storage hopper and conveyor, and is designed for use with the Speedyfeeder range of portable flexible belt conveyors. It is claimed to be capable of accommodating surge and intermittent loads discharged from concrete mixers, Ready-mix vehicles or rear-tipping lorries, and of feeding material at an even rate to the 12in-wide belt conveyors for carriage to the point of discharge. More than 35 cu yds of material per hour can be supplied, and up to three mixers can be positioned around the Fulflo to provide an almost continuous flow of concrete to the pouring area. The Fulflo feeder consists of a 36in wide belt conveyor fitted with a 1¼ cu yd steel hopper and is powered by a 2 h.p. fan-cooled three-phase 50-cycle electric motor. Belt speed is up to 100ft/min and the flow is controlled by an adjustable outlet



E



D

which enables both capacity and width of stream to be regulated. The 12in dia. driving and idler drums are of heavy steel construction, and a series of 4in dia. steel idler rollers absorb any impact on the belt, which is fitted with a counterweight scraper with renewable blade. Mounted on pneumatic tyred wheels, the Fulflo incorporates two adjustable jacks to remove the load from the tyres when positioned for operation, and an adjustable drawbar for towing. Portable remote control stations are available as extras to enable an operator to control one Fulflo and up to six Speederfeeder conveyors from a suitable vantage point. Standard price £370 (plus £25 for remote control).

*Wickham Engineering Co. Ltd., Dashwood House, Old Broad Street, London, E.C.*2.

Readers' Information Service, Ref. E. Date 26/8/59.

★

Insecticidal Paint

This firm has taken over the manufacturing and marketing of Lakil insecticidal paint from a company which is no longer in existence. Among the improvements made to the product are the removal of the obnoxious smell and the imparting of a gloss to what had previously been a flat finish. It is claimed that Lakil will give at least two years protection against all insect pests and woodworm. The briefest contact is sufficient for the insect to absorb the insecticide, which is not an instant killer, giving time for the insect to make for the outside air. In addition to the gloss finish, Lakil is made as a clear varnish which can be applied over existing decoration. The pigmented or gloss finish is specially made to resist steam, heat and condensation on walls. Particular applications for this new paint would

NEW PRODUCTS (continued)

appear to be in hospitals, bakeries, canteens, breweries, farms, dairies, kitchens and in all food stores likely to be affected by insect pests. Lakil is supplied ready for use and can be applied by brush, roller or spray to any solid surface. Colours for Lakil gloss are off-white, cream, primrose, alabaster, pastel green, birch grey, summer blue, poppy, black, and white. Coverage per gall: clear, 100 sq yd; gloss, 80 sq yd; undercoat, 80 sq yd; and wood primer, 60 sq yd. Respective prices per pint for these four products are: 9s 9d, 11s 6d, 9s 6d and 8s 6d.

J. Manger & Son Ltd., Kingsland, London, E.8. Clissold 8521.

Readers' Information Service, Ref. F. Date 26/8/59.

★

Circulating Pump For Central Heating Systems (G)

This manufacturer has introduced the Kalorite glandless circulating pump unit which is designed solely for



G

use on central heating systems. A complete range is available for use in private dwellings, offices, flats, churches, public buildings and industrial premises. The pumps are available in various sizes for duties ranging from one to 150gal/min and for heads from 6in to 25ft. Kalorites fit directly into the heating pipeline without support or foundation of any kind and will act as a booster for any low pressure system. They are supplied with connections ready for easy fitting, the smallest units being complete with screwed unions, whilst the larger sizes are flanged and complete with counter flanges. They can be fitted in vertical, inclined or horizontal pipework, provided that the pump shaft remains horizontal. They can be easily dismantled from one side without removing the body from the pipeline and so may be fitted close to the wall or in a confined space. Kalorite pumps will operate with any type of thermostat, and the integral squirrel-cage induction-type motors are wound for three-phase supply. Small units are designed for connection to single-phase supply of 200/250V, 50 cycles, by incorporating condensers and larger units for three-phase supply of 100/440V 50 cycles. The casing is of high-grade cast iron finished in white gloss. The pumps vary in weight from 24lb (Model NZ0) to 242lb (Model NZ4).

The Harland Engineering Co. Ltd., Harland House, 20 Park Street, London, W.1. Grosvenor 1221.

Readers' Information Service, Ref. G. Date 26/8/59.

★

New Industrial Respirator (H)

The Dustfoe 66 industrial respirator is the latest safety appliance to be introduced by this manufacturer. It has recently been granted H.M. Factory Inspectorate Certificates approving its use under the Asbestos Industry Regulations, 1931, Iron and Steel Foundries Regulation, 1953, and The Pottery (Health and Welfare) Special Regulations, 1951. Several new features have been incorporated in the new model, which has a contoured face cushion for better fitting and greater wearing comfort. More sponge stock has been added to provide an airtight seal; newly designed and larger exhalation valves are fitted. The filter holder is narrow in order to minimise blind spots and to give increased downward vision. Another feature of the Dustfoe 66 is counter-gravity flow, whereby incoming air travels in an upward direction and helps to reduce the quantity of heavier particles striking the filter. The complete respirator, including the headband, weighs only three ounces. The band is a two-piece elastic type with positive locking, slide band adjustment and easy snap action with "D" ring release.

Mine Safety Appliances Co. Ltd., Queenslie Industrial Estate, Glasgow, E.3.

Readers' Information Service, Ref. H. Date 26/8/59.

★

Electrical Water Storage Heater (I)

Another new addition to the Hotpoint range of electrical appliances is a water storage heater. It is available in 1·5 gal (Cat. No. NEIA) and 2·2 gal (Cat. No. NE2A) sizes. Its appearance is an improvement on their previous model NC and it is shorter and better proportioned. The terminal cover is shallow and less obvious and a red double trim is included. The heater operates on the principle that when the inlet valve is opened cold water displaces the hot water stored in the container. It is of flush back design and seals flush to the wall with a rubber gasket. The water container is of tinned copper insulated with glass fibre and the outer casing is stove enamelled. The heater has an anti-drip and anti-syphon device and is stated to conform to Waterworks



H

requirements. A 12in radius swivel swan neck is the standard fitment, but a 15in—24in adjustable outlet spout can be supplied as an extra. Fitting is by means of three screws without the use of the separate bracket needed for the earlier NC model. The water cut off is much sharper than was the case with the NC heater, whilst the tap is of a new design but retains the original red capstan knob. A restrictor is built into the tap assembly. The heat loss is well within the limits of B.S. 843. Dimensions: NEIA—15in high by 10in wide by 9¼in deep; NE2A—19in high by 10in wide by 9¼in deep. Prices: (including P. Tax): NEIA, £12 14s; NE2A, £13 2s 11d.

A.E.I.—Hotpoint Ltd., 33 Grosvenor Place, London, S.W.1. Belgravia 7011.

Readers' Information Service, Ref. I. Date 26/8/59.

★

Raincoat for Builders

This company has produced a raincoat stated to be especially suitable for use by builders. It is claimed to provide the highest standard of water repellency ever achieved, and also to resist oil stains and dirt. The secret behind this revolution in rainwear is a new chemical known as Aqua Five, which, instead of merely giving a surface covering to the fabric, is impregnated right through the cloth. This seals the fibres against damage by oil, dirt or water. Stains can be removed by ordinary household solvents without damage to the proofing of the coat.

Aquascutum Ltd., 100 Regent Street, W.1.

Readers' Information Service, Ref. J. Date 26/8/59.



I

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VANITORY* units!

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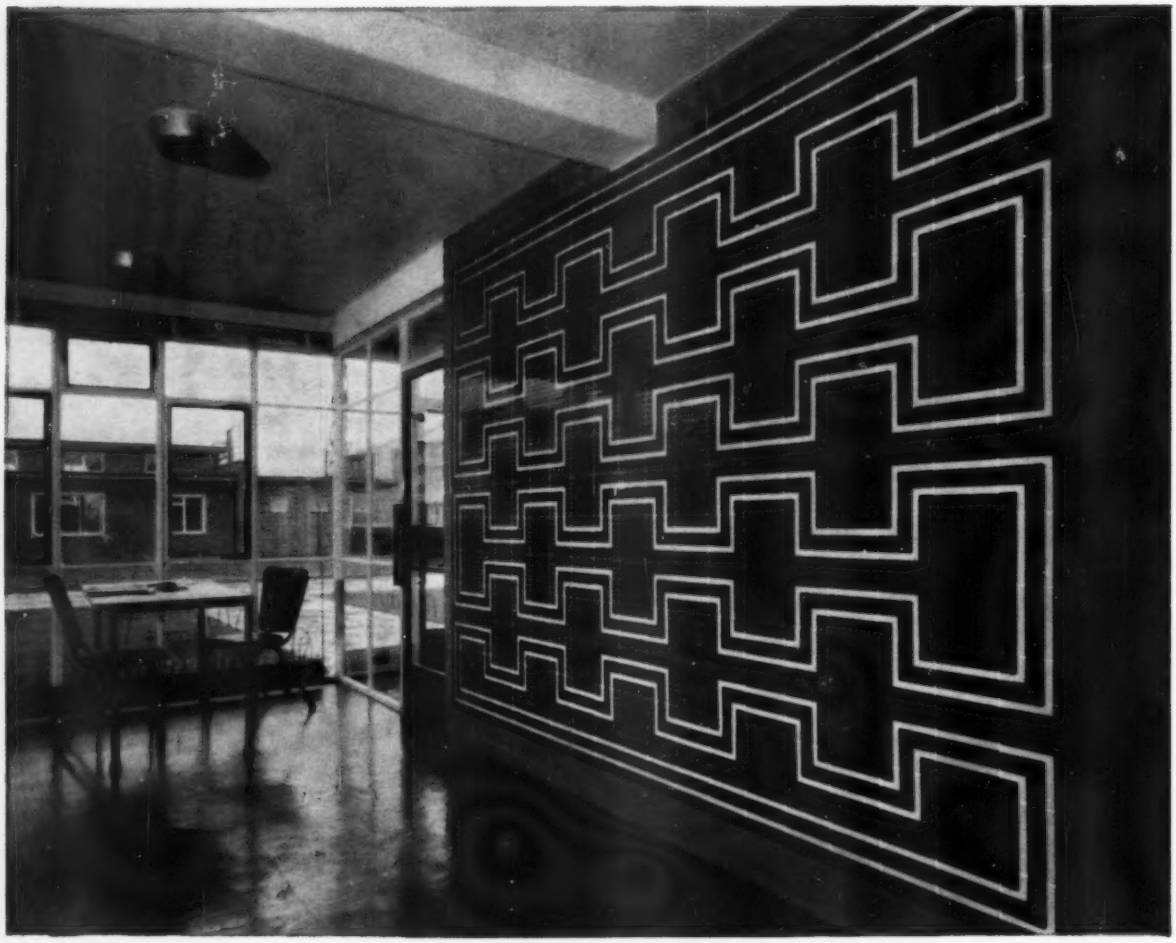
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G

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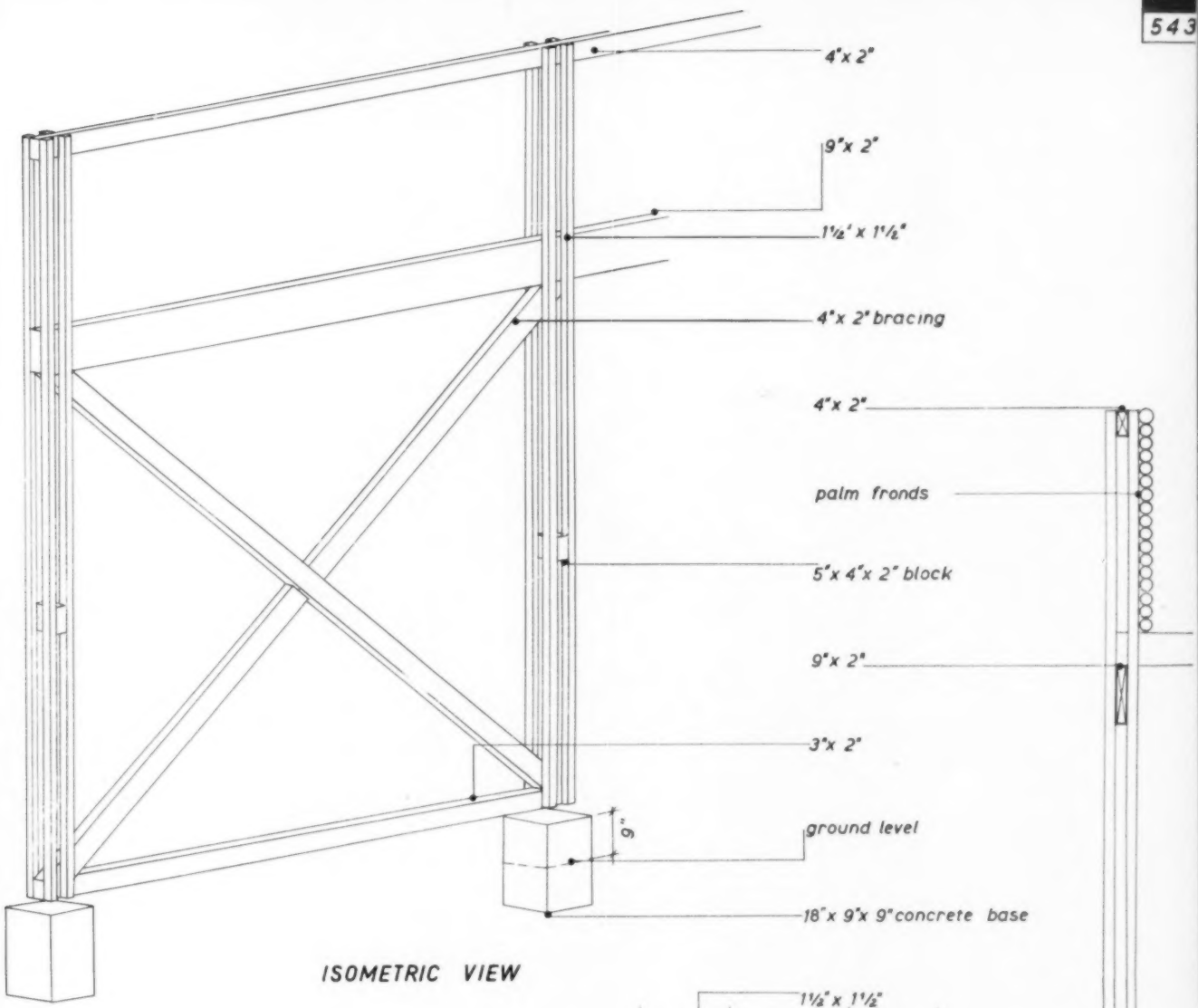


Architects: Properties & Services Branch, B.O.A.C., E.F.H. Foster, A.R.I.B.A., Architect in charge.
Main Contractors: William Willett Limited, Sloane Square, S.W. 1.
Tiling by: W.B. Simpson & Sons Limited, 374 Wandsworth Road, S.W. 8.

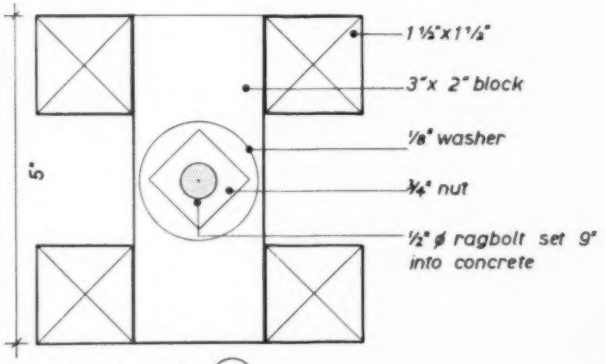
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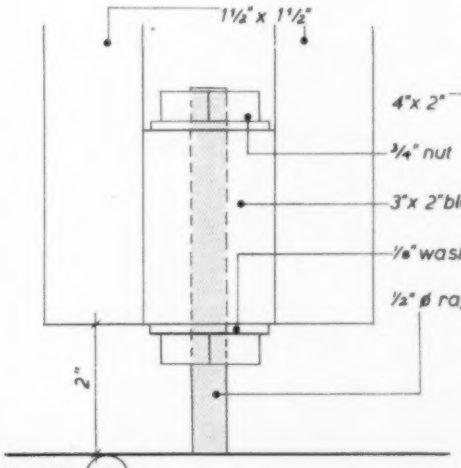
ISOMETRIC VIEW



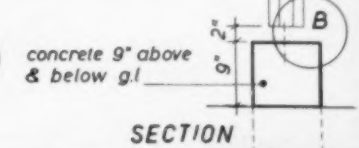
PLAN AT (A)



PLAN



DETAIL AT (B)



SECTION

VERANDAH DETAILS. HOUSE ENUGU NIGERIA

ARCHITECTS' CO-PARTNERSHIP

543
A
E



This house, for the Shell B.P. Development Company in Enugu, Nigeria, is completely surrounded by a verandah. This is supported by timber columns made up of four square sections between which the cross members are fixed. The bases of the columns are lifted two inches off the ground by ragbolts to protect the timber from insects. The columns are cross-braced at the corners of the house, and at other strategic points, and all the timber, including the palm fronds of which the solid panels to the balcony are composed, is finished with creosote. The architects are Architects' Co-Partnership

CONTRACT • NEWS •

Notes below give basic data of contracts open under locality and authority which are in a bold type. References indicate: (a) type of work (b) address for application. Where no town is stated in the address it is the same as the locality given in the heading (c) deposit (d) last date of application (e) last date and time for submission of tenders. Full details of contracts marked • are given in the advertisement section.

OPEN

BUILDING

BIRKENHEAD B.C. (a) One block of four bungalows for aged persons. (b) Borough Architect, 3 Conway Street. (c) 2gn. (e) September 1.

• • •

BOURNEMOUTH B.C. (a) Fixed price tenders for erection of a catering unit at the Municipal College of Technology and Commerce. (b) Borough Architect's Office (Room 106), Town Hall. (c) 2gn. (e) September 14.

• • •

(a) Pumping station at Bournemouth Pier. Approach, underground. (b) Borough Engineer, Town Hall. (c) 2gn. (e) September 14.

• • •

COWES U.C. (a) Erection of a convenience at Queen's Road and a shelter and public convenience at the Pavilion Hotel site, The Parade. (b) Engineer and Surveyor, Northwood House, Cowes, I.o.W. (c) 2gn. (e) September 4.

• • •

CROYDON B.C. (a) First stage development of a housing site opposite Central Parade, New Addington. 111 Dwellings in two-, three- and eight-storey blocks. (b) Names to the Borough Engineer, Town Hall. (e) September 8.

• • •

DONCASTER B.C. (a) Erection and completion of a museum and art gallery at Chequer Road. (b) Borough Architect's Office, 15 South Parade. (c) 3gn, cheque payable to Corporation. (e) September 17.

• • •

DRAPERSTOWN, LONDONDERRY, N.I. (a) Execution and completion of a new voluntary intermediate school for the Very Rev. M. Collins. (b) Quantity Surveyors, P. J. Davidson, 16 High Street, Belfast. (c) 12gn. (e) September 18.

(a) Supply, fabrication and erection of the structural steelwork for the new voluntary intermediate school at Draperstown, for the Very Rev. M. Collins. (b) Structural Engineer, I. G. Doran, 450 Antrim Road, Belfast. (c) 5gn. (e) September 10.

• • •

DULVERTON R.C. (a) Eight "Unity" type bungalows with works incidental, at Jury Road. (b) Public Health Inspector and Surveyor, the Offices, High Street, Dulverton, Somerset. (c) 3gn. (e) September 1.

EAST RIDING OF YORKSHIRE C.C. (a) Erection of classrooms and cloakrooms at Hedon County Primary School, near Hull. (b) County Architect, County Hall, Beverley. (c) £2. (e) September 1.

• • •

EIRE—CORK C.C. (NORTH CORK DISTRICT). (a) Provision of a water supply to Clondulane village for Cork County Council. (b) Tender documents from Secretary, Cork County Council, Annabella, Mallow, on payment of £1 per set (not returnable). (c) 10gn (each tender). (e) September 4.

• • •

EIRE—KILDARE C.C. (a) The carrying out of Regional Water Supply Scheme 2/3, Contract No. 5, for Kildare County Council. (b) Nicholas O'Dwyer & Son, Constructing Engineers, 6 Burlington Road, Dublin. (c) 10gn. (e) September 15.

• • •

GREAT YARMOUTH B.C. (1) (a) Erection of one block of three maisonnettes and three flats at Queen's Road. (2) Demolition of part of existing superstructure and erection of shops, covered tier seating, entrance and toilets at the swimming pool, Marine Parade. (b) Borough Engineer and Surveyor, Town Hall. (c) 2gn. (e) September 4.

• • •

HESTON AND ISLEWORTH B.C. (a) 36 flats, 96 houses and 65 garages, at Cranford Lane (North) housing estate. (b) Borough Surveyor, 88 Lampton Road, Hounslow. (c) 2gn. (e) September 18.

• • •

HITCHIN U.C. (a) Fixed price tenders for erection of a sports pavilion, King George's Field. (b) Surveyor, Council Offices, Brand Street, Hitchin. (c) 2gn. (e) September 1.

• • •

HORNCHURCH B.C. (a) Erection of 26 T.N.P.7 3-bedroom houses and 20 T.N.P.6 3-bedroom houses, with outbuildings, drainage, roadworks, paving and ancillary works. (b) Surveyor's Department, Council Offices, Billet Lane, Hornchurch, Essex. (c) 2gn. (e) September 7.

(a) Erection of one block of six and one block of 12 three-storey flats, Bridge Avenue, with drainage, roadworks, paving, outbuildings and garages. (b) Surveyor's Department, Council Offices. (c) 2gn. (e) September 5.

• • •

LONG BENTON U.C. (a) Erection of central depot, paper baling building, construction of sewers, internal roads, hard standing, etc. and provision of wrought iron perimeter fencing and entrance gates. (e) A. E. Sweetman, Engineer and Surveyor, Council Offices, Forest Hall, Newcastle-upon-Tyne. (c) 2gn. (e) September 9.

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LITHERLAND U.C. (a) Construction of one block of buildings incorporating eight shops and seven flats, with five garages and ancillary works, on the Ford Estate. (b) G. D. Walford & Partners, 20 Castle Street, Liverpool, 2. (c) 3gn. (e) September 1.

• • •

LYMINGTON B.C. (a) Seven pairs of bungalows and eight pairs of houses at Broomfield Lane, off East Hill. (b) Borough Engineer, Town Hall. (c) 2gn. (e) September 7.

• • •

MARBLETHORPE AND SUTTON U.C. (a) Erection of 32 flats and flatlets in three two-storey blocks, a community centre and warden's quarters. (b) Council Offices. (c) 3gn. (e) September 8.

• • •

MYNYDDISLWYN U.C. (a) Erection of 42 traditional houses at Upper Penllwyn Housing site at Pontllanfraith. (b) Engineer and Surveyor, Council Offices, Pontllanfraith, Blackwood, Mon. (c) 3gn. (e) September 17.

• • •

NEWBURY B.C. (a) Six blocks of four flats at Bath Road estate. (b) Borough Surveyor, Municipal Buildings. (e) September 9.

• • •

NORTHALLERTON B.C. (a) Eight old people's dwellings, single-storey traditional construction. (b) Clerk of the Council, the Old Vicarage, Northallerton. (c) 2gn. (e) September 2.

• • •

OXFORDSHIRE C.C. (a) Additional classroom and canteen kitchen, with cloakrooms, etc. and school improvements. (b) County Architect, Park End Street Offices, Oxford. (d) Soon as possible.

• • •

PORT TALBOT B.C. (a) Erection of 14 dwellings at Station Terrace, Bryn. (b) Mr. G. V. Griffiths, Borough Engineer and Surveyor, Municipal Buildings. (c) 2gn. (e) September 14.

• • •

RICHMOND (SURREY) B.C. (a) Conversion of Ham Farm buildings, Ham, into a tea room and sports changing accommodation. (b) Borough Engineer, Hotham House, Heron Court, Richmond. (c) 2gn. (e) September 7.

• • •

ROYTON U.C. (a) Birchin Lee housing site. Erection of 62 flats, 16 houses, four shops and four maisonnettes. (b) Messrs. Heywood & Ogden, 12 Clegg Street, Oldham, Lancs. (c) 2gn. (e) September 1.

RUGBY R.C. (a) Erection of 16 houses at Long Lawford. (b) Council's Surveyor, 16 Warwick Street. (c) 3gn. (e) September 23.

• • •

SANDBACH U.C. (a) Twelve bungalows, eight in Third Avenue and four in Town Fields. (b) H. J. Rees, Engineer and Surveyor, Council Offices, Crewe Road. (c) 1gn. (e) September 8.

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T. E. Scott, C.B.E., F.R.I.B.A.

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THE Northern Polytechnic Diploma in Architecture, which is awarded on the successful completion of the five years' full-time course and subsequent passing of the examination in Professional Practice qualifies students for exemption from the Final Examination for Associateship of the Royal Institute of British Architects. The Diploma is also accepted by the Architects' Registration Council of the United Kingdom as a qualification for registration under the Architects (Registration) Acts, 1931-1938.

School year begins September 28, 1959.
Fees: £30 per annum.
Students under the age of 18 may be admitted free.

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The Northern Polytechnic Diploma is awarded on the successful completion of the eight years' part-time course and subsequent passing of the examination in Professional Practice and Practical Experience. Intermediate Exemption is granted on the successful completion of the first five years of the course.

New session commences September 28, 1959.
Fees from 30s to 70s per session.

PART-TIME DAY CLASSES

A leaflet describing part-time day courses will be sent on application.

Entry to the Schools. Intending day students are interviewed by appointment. Intending evening students will be interviewed from 5.30-7.30 p.m. on September 22 and 23.

Prospectus post free on application.
Telephone: North 1686.

STOURBRIDGE B.C. (a) Wollaston Farm estate. Erection of 28 brick built garages, construction of hard standing and incidental works. (b) Borough Engineer and Surveyor, Council House. (c) 2gn. (e) September 9.

• • •

STROUD DISTRICT WATER BOARD. (a) Providing and completing a reinforced concrete covering to Painsweek Reservoir. (b) Engineer and Manager, 13 Wallbridge, Stroud. (c) 3gn. (e) September 5.

• • •

ULSTER, BANBRIDGE U.D.C. (a) Housing Scheme No. 5. Erection of 52 houses together with ancillary and engineering works at Banbridge, for Banbridge Urban District Council. (b) Messrs. Nial P. Heron & Partners, Architects and Engineers, Bridge Street, Banbridge. (c) 5gn. (e) September 7.

• • •

UTTOXETER R.C. (a) Erection of 30 houses, 11 bungalows, 10 garages (fixed price tenders) at School Lane, Abbots Bromley. (b) Engineer and Surveyor, Council Offices, Holly Dene, High Street, Uttoxeter, Staffs. (c) 2gn. (e) September 8.

PLACED

Notes on contracts placed state locality and authority in bold type with (1) type of work (2) site, (3) name of contractor and address, (4) amount of tender or estimate. † denotes that work may not start pending final acceptance, or obtaining of licence, or modification of tenders, etc.

BERKSHIRE C.C. (1) Boys' grammar school. (2) Maidenhead. (3) J. M. Jones & Sons Ltd., Highway Works, Maidenhead. (4) £165,000.

• • •

BIRKENHEAD B.C. (1) Two 14-storey blocks providing 216 dwellings. (2) Woodchurch estate. (3) Wm. Thorton & Sons Ltd., 38 Wellington Road, Liverpool, 8. (4) £361,888. (1) Three blocks of five-storey flats. (2) Woodchurch estate. (3) Dury Construction Co. Ltd., 17 Coles Lane, Sutton Coldfield, Warwickshire.

• • •

BLACKBURN B.C. (1) Extension to the Technical College. (3) Wm. Linesey & Sons Ltd., Blackburn. (4) £267,432.

• • •

BRAMPTON, NORTHUMBERLAND. (1) 101 houses, for Ministry of Works. (3) Geo. Wimpey & Co. Ltd., The Grove, Hammersmith, W.6.

• • •

BRIERLEY HILL B.C. (1) 128 houses. (2) Market Street. (3) Buildings and Equipment (Sedgley) Ltd., Darlington Street, Wolverhampton. (4) £154,038.

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BRISTOL C.C. (1) Reconstruction of the Guildhall. (3) Wilkins & Coventry Ltd., 91 Cumberland Road, Bristol, 1. (4) £135,239.

* * *

BURNLEY (1) Superstructute of electricity generating station. (2) Padiham "B" (3) M. J. Gleeson (Contractors) Ltd., 822 Chesterfield Road, Sheffield.

* * *

CAMBRIDGE (1) First stage of building Addenbrook's Hospital. (2) Hills Road. (3) Kerridge (Cambridge) Ltd., Sturton Road, Cambridge. (4) Cost: £659,000.

* * *

CAMBRIDGE. (1) Extensions. (2) Queen's College. (3) W. Sindall Ltd., Cherryhinton Road, Cambridge.

* * *

CAMBRIDGE C.C. (1) 60 maisonnettes, 13 houses. (2) East Road. (3) Johnson & Bailey Ltd., Norfolk Street, Cambridge. (4) £148,665.

* * *

CHELMSFORD B.C. (1) Five-storey municipal offices, including an assembly hall and council chamber. (2) Duke Street and Fairfield Road. (3) Richard Costain Ltd., 111 Westminster Bridge Road, S.E.1. (4) £270,000.

* * *

CO. DURHAM. (1) Two schools for the R.C. authorities. (2) Felling and Gateshead. (3) Gordan Durham & Co. Ltd., East Bolden, Co. Durham (both schemes).

COVENTRY. (1) Shop and offices building for Parkin & Co. (Investments) Ltd. (3) W. H. Jones & Sons Ltd., Lockhurst Lane, Coventry. (4) £150,000.

* * *

DERBY. (1) Twin operating suite. (2) Derbyshire Royal Infirmary. (3) J. H. Fryer Ltd. of Derby. (4) £89,163.

* * *

DEWSBURY B.C. (1) Secondary school. (2) Dewsbury. (3) Wm. Airey & Sons (Leeds) Ltd., Eldon House, Leeds. (4) £227,331.

* * *

ESSEX C.C. (1) Second instalment of Technical College. (2) Braintree. (3) Geo. Tanner & Wicks Ltd., High Garrett, Braintree, Essex. (4) £210,742.

* * *

HOVE B.C. (1) Branch library and 40 flats. (2) Westway. (3) A. Alldritt Ltd., 79 Church Road, Hove, Sussex. (4) £74,015.

* * *

LANCASHIRE C.C. (1) Erection of St. James' C. of E. School. (2) Farnworth. (3) W. Fearaley & Sons Ltd., Constance Works, Eccles New Road, Salford. (4) £99,557. (1) Erection of a fire station. (2) Hindley & Leyland. (3) Leyland Construction Co. Ltd., Leyland. (4) £51,265.

* * *

LEAMINGTON SPA B.C. (1) Block of flats. (2) Lillington estate. (3) P. A. Hopkins Ltd., Leamington Spa. (4) £50,261.

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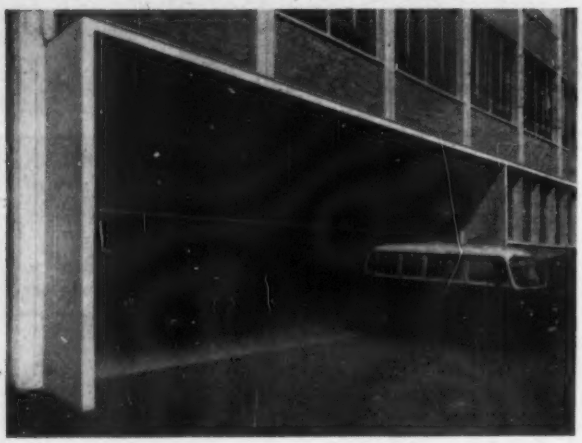
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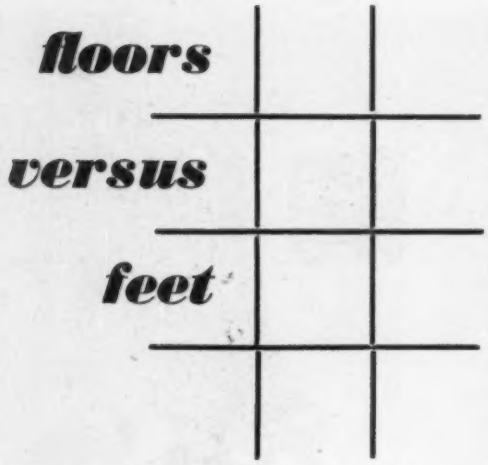
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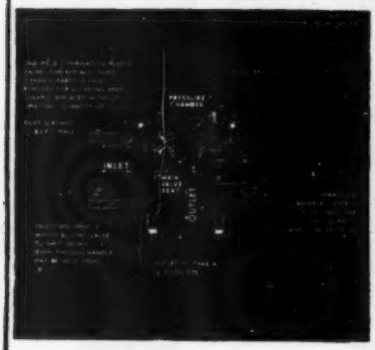
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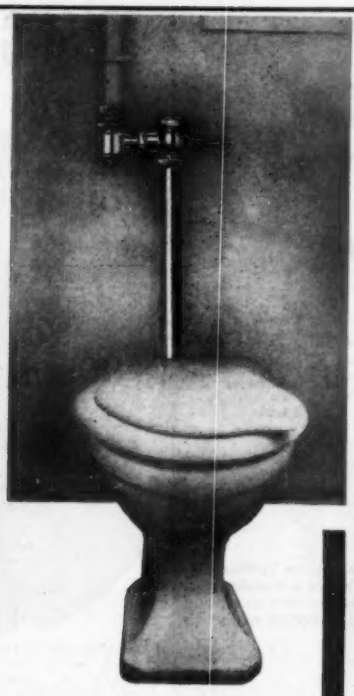
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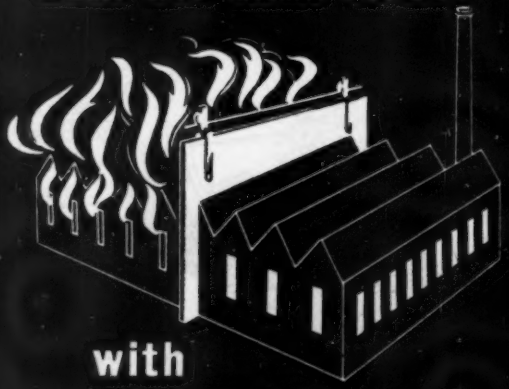
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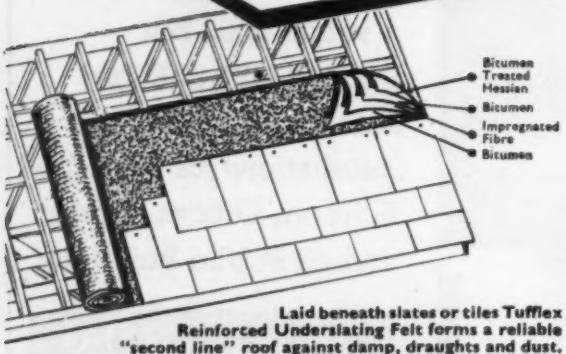
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OFFICIAL ANNOUNCEMENTS

APPOINTMENTS • CONTRACTS • TENDERS

Rate: 20/- per inch and pro rata, minimum half inch. Close for press 1st post Monday for following Wednesday Issue

APPOINTMENTS

Surrey County Council

Kingston School of Art
Knights Park, Kingston upon Thames

APPLICATIONS are invited for the post of part-time Lecturer in the Department of Architecture, to commence with the new session 1959/60.

The person appointed will be required to instruct in the basic principles of general design and to assist with the supervision of the general architectural studies of the pre-Intermediate students.

Applicants must be qualified professionally, have had varied practical experience and be actively engaged in their profession. Previous teaching experience will be an additional advantage.

The vacancy is for three full days per week. The salary is in accordance with the Surrey Education Committee's rates of pay.

Applications should be forwarded to the Registrar, Kingston School of Art. [5478

Beeston and Stapleford Urban District Council
SENIOR ARCHITECTURAL ASSISTANT

APPLICATIONS are invited for the above appointment at a salary according to experience in Special Grade (£785/£1,070).

Housing accommodation will be provided if necessary. Candidates must be A.R.I.B.A., with preferably some experience of Municipal Housing.

Applications, stating age, qualifications, with details of training and experience, accompanied by the names of two referees must be received by the Housing Architect, Town Hall, Beeston, Nottingham, not later than September 11, 1959.

H. D. JEFFRIES,
Clerk of the Council.

Town Hall,
Beeston,
Nottingham. [5493

City Architect's Office, Manchester

APPLICATIONS invited for appointment of Assistant Architect/Architectural Assistant. Salary Special Grade £785/£1,070 (commencing salary will be fixed according to qualifications and experience). Five-day week, removal expenses allowed. Housing accommodation for a limited period may be provided. Forms of application from City Architect, P.O. Box 488, Town Hall. Returnable by September 7. [5516

County Borough of Derby

Borough Architect's Department

(a) **Senior Assistant Architect,** Special Grade (£785/£1,070 per annum). Qualifications: A.R.I.B.A.

(b) **Assistant Architect,** APT Grade I (£660/£765 per annum). Qualifications: Intermediate R.I.B.A.

Commencing salary according to qualifications and experience.

Permanent superannuable apointments, subject to one month's notice and to medical examination. National Conditions of Service.

Application forms obtainable from, and to be returned to, the Borough Architect, The Council House, Corporation Street, Derby, not later than Monday, September 14, 1959.

G. H. EMLYN JONES,
Town Clerk.

August 20, 1959. [5523

Nottinghamshire County Council—Children's Committee

Risley Hall School, Risley, near Derby

A PAINTING AND DECORATING INSTRUCTOR with iniative and ability to organize a new Department is required at this Intermediate Approved School for 110 boys. Burnham Scale plus four increments (£603 15s to £1,050 according to qualifications and experience) for holders of Full Technological Certificate No. 85 of City and Guilds of London Institute for Painters' and Decorators' Work with at least five years' sound practical trade experience, plus £189 p.a. for extraneous duties of approximately 15 hours per week. Forms and details from the Children's Officer, Shire Hall, Nottingham, to whom applications should be sent as soon as possible. Quote Est. 132.

A. R. DAVIS,
Clerk of the County Council.
[5504

APPOINTMENTS (cont)

London Brick Company Limited

TECHNICAL ASSISTANT required by Estates Department, London Brick Company Limited, Stewartby, Bedford.

Good draughtsman with sound knowledge of all building trades and estate work essential. Qualifications an advantage.

Flat available. Five-day week. Pension scheme. Car driver an advantage.

Particulars, stating salary required, to Personnel Manager, Stewartby, Bedford. [5519

ARCHITECTS: Ministry of Health. Pensionable posts (one Senior, two Main Grade) in an active and expanding design and development unit in London for Registered Architects (men and women) who have experience of client/architect briefing, collaboration with engineers, manufacturers, or research organizations in the development of new techniques or specialist services, and of design cost data. Experience of hospital building an advantage. Duties include collation of experience in design, construction and building costs of hospitals, etc., with a view both to the publication of bulletins and to building prototypes to illustrate the latest advances in medical and structural techniques.

Men's salary £1,840/£2,120 (Senior post) or £1,325/£1,780 (Main Grade posts). Starting salary may be above minimum in each case.

Write Civil Service Commission, 17 North Audley Street, London, W.1, for application form quoting S5019/59. Closing date September 17, 1959. [5513

ARCHITECTURAL, CIVIL AND PUBLIC HEALTH ENGINEERING DRAUGHTSMEN.

Pensionable posts for men and women, aged at least 20 on June 1, 1959, with at least three years' training, including adequate practical experience with appropriate technical study. At least one year must have been spent on full-time drawing office work. Men's starting salary (London) £542 10s (20) to £783 (28 or over). Scale maximum £900. Promotion prospects. Write Civil Service Commission, 17 North Audley Street, London, W.1, for application form, quoting S68-69/59. [5499

County Borough of East Ham
ARCHITECTURAL ASSISTANTS
Grade I, £610/£765

LONDON weighting is paid in addition. Salaries in excess of the minima may be paid according to qualification and experience.

Subsistence allowances may be granted over a reasonable period to the persons appointed if unable to obtain suitable housing accommodation, necessitating the maintenance of two homes.

Further details and application forms returnable by September 18, 1959, from the Town Clerk, Town Hall, E.6. [5506

City of Bradford

APPLICATIONS are invited for the following permanent posts:

(a) **Assistant Architects,** APT IV (£1,065/£1,220).

(b) **Assistant Architects,** APT I (£610/£765).

(c) **Assistant Heating and Ventilating Engineers,** APT IV (£1,065/£1,220).

The Department has a number of large projects in hand, including the new Bradford Institute of Technology, affording ample scope and opportunities.

Candidates for (a) must be Corporate Members of the R.I.B.A. with varied office experience, (b) must have passed the Intermediate Examination of the R.I.B.A., and for (c) must be Corporate Members of the I.H.V.E.

No assistance can be given in the provision of housing accommodation.

Application forms obtainable from the City Architect, Town Hall, returnable with copies of two recent testimonials by September 12, 1959.

W. H. LEATHEM,
Town Clerk.

Town Hall,
Bradford, 1. [5515

APPOINTMENTS (cont)

The South Wales Electricity Board

SENIOR ARCHITECTURAL DRAUGHTSMAN

OUR Architectural Section does a large, varied and interesting range of work.

It is situated in a locality which is rural, yet only five miles from the City of Cardiff.

To help maintain our standard in servicing over 600,000 consumers, we need a Senior Architectural Draughtsman who has obtained or is studying for membership of the R.I.B.A.

The salary will be £790/£890 and applications to the Secretary at St. Mellons, Cardiff, will receive careful and prompt consideration.

Closing date for application, Saturday, September 12, 1959. Envelopes should be marked "Senior Architectural Draughtsman—46/59" [5514

AIR MINISTRY WORKS, DESIGN BRANCH,

requires in London and Provinces Arcitectural Assistants experienced in planning/preparation of working drawings and details for permanent and semi-permanent buildings. Salaries in London up to £900 for Grade III and £1,055 for Grade II p.a. for men and £868/£1,088 for women. Somewhat lower in Provinces. Starting pay dependent on age, qualifications and experience. Long-term possibilities with promotion and pension prospects. Five-day week, three weeks three days leave a year initially. Overseas tours (for men) for which special allowances are payable. Normally natural born British subjects. Write stating age, qualifications, employment details including type of work done, to any Employment Exchange, quoting Order No. King's Cross 1769. [0836

The University of Sheffield

APPLICATIONS are invited for a newly created **CHAIR of BUILDING SCIENCE** in the Department of Architecture, to begin duties as soon as possible.

In seeking a Professor of Building Science, the University is looking for a candidate who has been trained in some branch of science and has subsequently had experience in a relevant field relating to building, such as, for example, Building Materials, Building Services, or the Physics of Environment. Alternatively, he might be an architect with special interest in an experience of scientific aspects of the subject.

Salary £2,450 a year, with F.S.S.U. provision and family allowance.

Further particulars should be obtained from the Registrar to whom applications (20 copies—one only from overseas candidates) should be sent by October 17, 1959. [5503

City of Liverpool

Architectural and Housing Department

APPLICATIONS are invited for the appointment of Architects in the various architectural sections of the department. These appointments offer a wide variety of opportunity and scope for personal initiative:

(a) General Architectural work, including educational buildings. (Scale A and APT V.)

(b) Housing Section, including multi-storey projects. (Scale B and APT V.)

(c) Redevelopment Section, including civic design and slum clearance projects. (Scale B, Scale A and APT V.)

Salaries:
£1,265/£1,485 per annum (Scale B).
£1,255/£1,390 per annum (Scale A).
£1,220/£1,375 per annum (APT V).

Applicants, who should be Associates of the R.I.B.A. or hold equivalent qualifications, should state the grading of the post for which they wish to apply, also any preference for appointment to one of the three sections.

Application forms, returnable by September 21, 1959, from the City Architect and Director of Housing, Blackburn Chambers, Dale Street, Liverpool, 2.

The appointments are superannuable and subject to the Standing Orders of the City Council. Canvassing disqualifies.

THOMAS ALKER,
Town Clerk.

(J.5805) [5529

APPOINTMENTS (cont)

Elstree Rural District Council
APPOINTMENT OF
TEMPORARY ARCHITECTURAL ASSISTANT

APPLICATIONS are invited for the above temporary appointment in the Department of the Engineer and Surveyor, for a period of not less than two years, on work in connection with the design and erection of a proposed public hall and covered swimming pool.

Salary within Special Grade £785/£1,070 plus London Weighting, the commencing salary to depend upon experience.

Candidates should have passed the Final examination of the R.I.B.A. or equivalent.

The appointment will be subject to the National Scheme of Conditions of Service; the provisions of the Local Government Superannuation Acts, 1937-1953, and will be determinable by one month's notice, in writing, on either side. The successful candidate will be required to pass a medical examination.

Relationship to any member or officer of the Council must be disclosed and canvassing directly or indirectly will disqualify.

Applications stating age, qualifications and experience, together with the names and addresses of two referees, should be sent in an envelope endorsed "Architectural Assistant" so as to reach the Engineer and Surveyor at these offices not later than Friday, September 11, 1959.

A. LANCASHIRE,
Clerk of the Council.

Council Offices,
Shenley Road,
Boreham Wood,
Herts.
August 27, 1959. [5528

APPOINTMENTS (cont)

County Borough of East Ham
Borough Engineer's Department

APPLICATIONS are invited for the following temporary appointments:

Senior Assistant Architect, Grade IV, £1,065/£1,220.

Architectural Assistant, Grade II, £765/£880.

London weighting is paid in addition, and salaries in excess of the minima may be paid according to qualifications and experience. The appointments are for work on a new Technical College and are expected to be for a period of not less than three years.

Further details and application forms returnable by September 18, 1959, from the Town Clerk, Town Hall, East Ham, E.6. [5507

City of Birmingham
City Architect's Department
DRAUGHTSMAN or DRAUGHTSWOMAN

REQUIRED, with experience in Architecture or Constructional Engineering.

Commencing salary, according to capabilities and experience, will be within Grade APT I (£630/£785) for applicants possessing the Ordinary National Certificate, or Miscellaneous Grade IV, V or VI, (£610/£795) for unqualified applicants with suitable practical experience.

Pension scheme. Five-day week. Medical examination.

Applications, stating age, present post and salary, qualifications, experience and two referees, to the undersigned by September 11, 1959.

A. G. SHEPPARD FIDLER,
City Architect.

Civic Centre,
Birmingham, 1. [5505

TENDERS

City and County of Newcastle upon Tyne
NEW TOWN HALL

THE City Council invites Building Contractors possessing substantial organization who are willing to submit a firm price tender for the construction of the New Town Hall, and who wish to be considered for inclusion in a selected list of Tenderers, to apply in writing, in the first instance, to the City Architect, 18 Cloth Market, Newcastle upon Tyne, 1, for particulars of the scope and magnitude of the work to be carried out.

Applicants must possess the necessary calibre and requisite organization, together with adequate financial and material reserves, to carry out the work expeditiously and satisfactorily.

Initial applications for more detailed information as to the work to be carried out should reach the City Architect not later than Wednesday, September 16, 1959.

JOHN ATKINSON,
Town Clerk.

Town Hall,
Newcastle upon Tyne, 1.
August 20, 1959. [5518

Borough of Ealing
TOWN HALL STONEWORK REPAIRS

TENDERS are invited from contractors with considerable experience of stonework repair and restoration, for repairs to the stonework to the main elevation of the Town Hall.

Full particulars and tender forms are obtainable, on payment of a deposit of £5 (returnable on receipt of a bona fide tender), from the Borough Surveyor, Town Hall, Ealing, W.5.

Tenders to be delivered to the Town Clerk, Town Hall, Ealing, W.5, not later than September 26, 1959.

E. J. COPE-BROWN,
Town Clerk.
[5524

MISCELLANEOUS SECTION

RATE: 1/9d per line, minimum 3/6d, average line 6 words. Each para charged separately. Advertisements for Situations Wanted are accepted at the specially reduced rate of 6d. per line, minimum 1/6d.

BOX NOS. add 2 words plus 1/- for registration and forwarding replies which should be addressed c/o "The Architect & Building News," Dorset House, Stamford Street, London, S.E.1.

SEMI-DISPLAY Advertisements with centralized lines are charged at 20/- per inch. and pro rata, minimum half inch.

PRESS DAY, Monday. Remittances payable to Messrs. Iliffe & Sons Ltd., Dorset House, Stamford Street, London, S.E.1.

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ARCHITECTURAL APPOINTMENTS VACANT

ARCHITECTURAL ASSISTANT. London, Final standard. Industrial and commercial. Progressive and interesting. Salary according to experience and ability. Box 3667. [0079

ARCHITECTURAL ASSISTANT. Intermediate standard. Busy London office. Good prospects. Box 3668. [0080

ARCHITECTURAL ASSISTANTS required for interesting work. Applicants should have passed Inter R.I.B.A. Good salary and chances of promotion. Non-contributory pension scheme in operation. Apply giving details of age, qualifications and experience to J. G. L. Poulson, L/F.R.I.B.A., 46 Catherine Place, Westminster, S.W.1. [5526

ARCHITECTS AND SURVEYORS with general practice require Assistants (Intermediate, Qualified or equivalent standards), with initiative and ability to work with minimum supervision Excellent opportunity for acquiring wide experience on small and large scientific, commercial and industrial buildings. Good salary. Luncheon vouchers. Pension scheme. Five-day week. Ley, Colbeck & Partners, F/F.R.I.B.A., F/F.R.I.C.S., 51 Bishopsgate, London, E.C.2, LONdon Wall 7282. [0207

ASSISTANT ARCHITECT required for an East Anglian brewery having an extensive building programme of great variety. Applicants to be chartered architects with at least 10 years' experience as such and should be fully up to date with modern planning, construction and materials, capable of designing economically and thoroughly conversant with all Local Authority and Town Planning regulations.

The successful applicant will be chosen for his organizing ability in dealing with an existing trained staff and building department and if proven satisfactory he will eventually take the chief architect's position in a few years time.

A contributory pension scheme is in operation.

Applicants, who should be in the 35/40 age group, should write in confidence giving personal details, age, and full information regarding working experience, qualifications and salary required.

References and testimonies of work will be required from a selected short list of applicants. Apply Box 4619. [5522

COVELL & MATTHEWS require Architectural Assistants for work on central area projects. Salary range: £550-£850. Five-day week. Telephone REGent 2291 for appointment. [5473

ARCHITECTURAL APPOINTMENTS VACANT (cont)

DOLCIS LTD. require immediately Architectural Assistants of both Intermediate and Senior standards. Previous shop-fitting experience not necessary, but keen interest in contemporary design essential. Good salary, dependent on experience. Five-day week, non-contributory pension scheme. Reply stating age, experience, and salary required to Ellis E. Somake, F.R.I.B.A., Chief Architect, Dolcis Ltd., 7/13 Gt. Dover Street, S.E.1. [5521

EXPERIENCED SENIOR ASSISTANTS required immediately with knowledge of large London developments, good salary and prospects, non-contributory pension scheme in operation. Apply giving details of age, qualification and experience to J. G. L. Poulson, L/F.R.I.B.A., 46 Catherine Place, Westminster, S.W.1. [5525

GOLLINS, MELVIN, WARD & PARTNERS have vacancies for staff experienced and interested in supervision. Five-day week, quarterly bonuses, pension scheme. Ring Welbeck 9991 for appointment. [5425

GOLLINS, MELVIN, WARD & PARTNERS are looking for staff to work on the design of hospital, university and office projects. Age and experience are less important than enthusiasm and interest in architecture. Five-day week, quarterly bonuses, pension scheme. Ring Welbeck 9991 for appointment. [5424

KEEN YOUNG ASSISTANT required, West End office. Must be good draughtsman and have sound knowledge of building construction. Salary £750/£850. Apply William Ryder, 21 Bruton Street, Berkeley Square, W.1. [5440

PATRICK GWYNNE requires an Assistant (male or female) to work personally with him on private houses and interior design. Must be thoroughly experienced and capable of first-class detail drawing. Knowledge of furniture and furnishings would be useful. The Homewood, Esher, Surrey. [5517

ROBERT POTTER and **RICHARD HARE**, F/A.R.I.B.A. have a vacancy for a recently qualified Assistant Architect to work on interesting University and Civic projects. Five-day week. Existing holiday arrangements will be honoured. Write giving details of qualifications, experience and salary required to De Vaux House, Salisbury. [5475

ARCHITECTURAL APPOINTMENTS VACANT (cont)

SEVERAL Senior and Intermediate Architectural Assistants are required for commercial projects including hotel, theatre and extensive development schemes of offices and light industry, etc., in London architect's office. Holiday arrangements will be recognized. Five-day week. Salary according to experience. Telephone City 8811. [0205

SIR GILES SCOTT, SON & PARTNER require Senior and Junior Architectural Assistants. General practice, including offices, schools, churches, etc. Apply by letter to 9 Gray's Inn Square, London, W.C.1. [5520

STAFF ARCHITECT required by firm of Chartered Land Agents and Surveyors in Dorset. Country experience essential and agricultural experience desirable. Salary £1,000 per annum. Write Box 4617. [5511

THURROCK U.D.C. (Engineer and Surveyor's Dept.) require Architectural Assistant under Architect to the Council. Salary: APT I/II, £610/£880 p.a. Good architectural experience necessary. Applicants must be capable of preparing working drawings in all categories and should have passed the Intermediate Examination of the R.I.B.A. The Council have interesting projects in hand, including an indoor swimming bath. Appointment pensionable. Applications, stating age, qualifications and experience, and quoting three referees, to Clerk of the Council, Council Offices, Grays, Essex, by September 8, 1959. Canvassing disqualifies. Relationship with members or senior officers of the Council must be disclosed. [5512

TWO Architectural Assistants, Intermediate standard, required for very large scheme. Considerable office experience is desirable. West End office. Excellent salary, bonus and luncheon vouchers. Box 3880. [0202

WEST COUNTRY practice with offices in Plymouth, St. Austell and Penzance requires energetic and progressive senior and junior assistants. Varied projects. Salary according to experience. Geoffrey Bazeley & Barbary, Alverton, Penzance. [5509

Classified advertisements continued overleaf

SITUATIONS VACANT

ARCHITECT OR BUILDING SURVEYOR required by industrial group with headquarters in Lincolnshire. Sound all-round knowledge in the architectural field. Salary from £1,250 according to experience. Write Box 4416. [5449

DRAUGHTSMEN with architectural experience required by Q.V.F. Ltd., Duke Street, Fenton, Stoke-on-Trent, to design and detail laboratory engineering service for schools, universities, technical colleges and industry. Work involves use of glass installations, in this respect a comparatively new but highly effective medium. Presents a fine opportunity in a rapidly expanding field. Five-day week, pension scheme. Apply in full detail to Personnel Officer. [5527

EXPERIENCED full-time Building Estimator required by Woking Contractors executing contracts up to £30,000. Progressive firm, good prospects. Write stating qualifications, salary required, etc., Box 4613. [5508

PLANNING Department of multi-store group near London requires Senior and Junior Shopfitting Draughtsmen for work on extensive programme. Salary by arrangement. Box 4655. [5532

REPRESENTATIVE required for prominent Architectural Metalworkers and Curtain Wall manufacturers. Applications invited from men of the age 24 to 30 years, with experience in architect's office, or knowledge of this particular field. Write giving details of salary required and qualifications to Box 4590. [5500

TECHNICAL SALES REPRESENTATIVE required by Rolling Shutter manufacturers. Own car advantage. Write stating age, experience and salary required to Box 4614. [5510

SITUATIONS WANTED

Advertisements under this heading only are accepted at the specially reduced rate of 6d per line, minimum 1/6.

ARCHITECT, A.R.I.B.A., A.M.I.Struct.E., 31, varied experience at home and abroad, present salary £1,700, seeks work in U.K. or elsewhere with responsibility for design, administration and site supervision. Box 4589. [5498

CLERK OF WORKS seeks post in the Birmingham area. Over 20 years' experience as C. of W. on schools, factories, offices, shops, hospitals, flats and houses. Excellent references. Box 4656. [5531

BUILDINGS FOR SALE

SECTIONAL TIMBER BUILDINGS, all sizes from 8ft by 6ft to 90ft by 30ft, we are the cheapest in the trade, compare the following examples of ex works prices. Site hut, 8ft by 6ft, £27 15s; 16ft by 10ft, £74 8s; 24ft by 12ft, £114 1s 1d; 30ft by 15ft, £152 9s 6d; 48ft by 18ft, £293 15s.; 56ft by 20ft, £368 7s 6d. Floors where required at proportionate extra. Write for free illustrated price list and specifications. Delivery arranged anywhere. Universal Supplies (Belvedere) Ltd., Crabtree Manorway, Belvedere, Kent (Erith 2948). [0082

WORK WANTED

G. BARTER & CO., Industrial Decorative Spray and Brush Painters (labour only on contract). We supply equipment, 1a Whitton Way, Hounslow, Middlesex. HOUnslow 9615, SOUthall 3815. [0083

CONTRACTS REQUIRED

"DEMOLITION Clearance," Watch it come down. By Syd Bishop & Sons (Demolition) Ltd., Acrefane, Sundridge Avenue, Bromley, Kent. Phone: RAV 1400. [5194

EDUCATIONAL

GUARANTEED EXAMINATION COACHING for R.I.B.A., R.I.Ch. Surveyors, I.Qty. Surveyors, I.Mun.E., I.Struct.E., etc. First-class instruction courses in all aspects of Architecture, Building Draughtsmanship, Servicing, Civil, Municipal, Structural and Sanitary Engineering. Write for free prospectus: International Correspondence School, 71 Kingsway, Dept. 518, London, W.C.2. [0167

CANDIDATES PREPARED FOR R.I.B.A. Supplementary tuition and Revision Courses also arranged in any subject. Write to the Principal (A. B. Waters, F.R.I.B.A., R.I.Arb.), Ellis School of Architecture, 103c Old Brompton Road, London, S.W.7, or to Albany House, Worcester. [0084

AUCTION

To Builders and Estate Developers
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82 Queen Street,
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Solicitors, Messrs. Every & Phillips, Honiton
[5502

NOTICE

CHANGE OF ADDRESS

Somerset County Council, County Architect

AS and from October 1, 1959, the County Architect's Department will be housed in new premises and all correspondence should be addressed to:

The County Architect,
County Architect's Department,
The Crescent,
Taunton,
Somerset.
Telephone: Taunton 3451. [5530

BOOKS

BARBICAN DEVELOPMENT PLAN. Printed report on proposals for redevelopment of City of London Barbicon Area now available. 100 pages, 170 photographs, plans and drawings. Price 35s (37s post paid) from the Town Clerk, Corporation of London, Guildhall, E.C.2. [5501

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